

2011 Filter and Fluid Application Guide

4th Edition

CAT®

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Cat Filters and Fluids Provide Superior Protection and Lower Owning & Operating Costs

Cat® Filters

Maintaining system cleanliness is an important part of reducing owning and operating costs. Cat Filters are designed for Cat Engines and component systems and provide the highest levels of cleanliness and performance. This protection reduces wear and maximizes component life.

Cat Filter Benefits

- Consistent Quality
- Reliable Protection
- Long Life

Cat® Oil

Cat Oil is specially developed to maximize component life by resisting oxidation, preventing buildup, and maintaining proper viscosity. Each type of oil undergoes extensive testing processes to demonstrate long service life. Oil drain intervals may be extended with the Cat S•O•S™ Services Oil Analysis Program and Cat® filters.

Cat Oil Benefits

- Consistent high performance oils formulated for the needs of Cat machines and engines
- Superior wear protection
- A complete line of Oils for every application and environment

Cat® Grease

Cat Grease is specially designed for Cat Machines to greatly reduce pin and bushing wear issues, such as galling and scaring, and to help prevent seizing. Cat Grease is also corrosion resistant and resists water/salt water washout.

Premium Cat Grease - For the ultimate performance in moderate and extreme climates

- Ultra 5Moly (Moderate Climates)
- Desert Gold (Extreme Hot Climates)
- Arctic Platinum (Extreme Cold Climates)

Multi-Purpose Cat Grease - For general lubrication in moderate climates

- Multi-Purpose
- Advanced 3Moly
- White Assembly

Specialty Greases

- High Speed Ball Bearing and Electric motor grease
- Ultra Synthetic Generator grease
- Hammer Paste
- Multipurpose Marine grease

Cat® Coolant

Cat Coolant is formulated to provide excellent protection against boiling and freezing, while preventing corrosion.

Cat Coolant Benefits

- High boiling temperature
- Freeze Protection
- Superior corrosion protection
- Non-foaming
- Scale and deposit prevention
- Organic Base Chemistry
- Lower Cost 40-50% less than conventional

Measuring Filter Quality

Caterpillar is committed to providing customers with high quality, cost-effective filtration products designed to meet specific performance requirements. Cat® Filters have the same consistent high quality no matter when or where they are purchased.

Testing has demonstrated that competitive "will-fit" filter suppliers offer products that vary widely in quality. Because of this, competitors often promote their filters based on comparative tests that do not represent actual field performance. Most troubling is the inconsistent use of absolute and nominal "micron ratings" than can be confusing and easily manipulated.
Caterpillar does not publish the micron ratings of our filters.* Instead Cat Filters undergo a wide range of testing to demonstrate that they provide both the top level filtration and a superior construction that ensures excellent filtration is provided with each Cat Filter, even in the toughest conditions.

*Caterpillar does not publish micron ratings, but will provide filter test data as requested.

Understanding Micron Ratings

Micron ratings are generated by the ISO 16889 laboratory test that was designed as a research and development tool. Instead, manufactures of competitive filters are using this micron metric in their marketing to create an artificial impression of filtration quality.

The problem with this lies in the nature of the test. The ISO 16889 laboratory test inserts a concentrated stream of artificial contaminants under a predetermined constant flow and other steady-state conditions to progressively load the filter until a specified pressure drop is reached. During the test, particles entering and exiting the filter are electronically counted. A comparison of the particle count on each side of the filter being tested is called the filtration ratio or Beta Ratio.

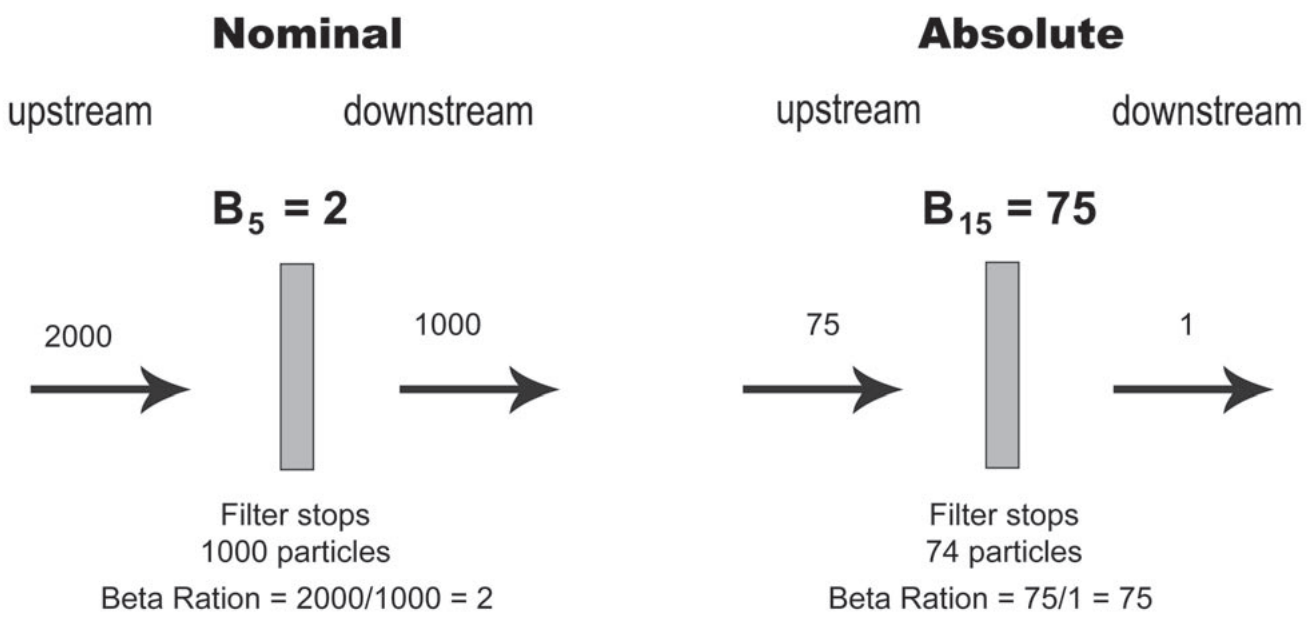
The micron rating only demonstrates the ability of filters to capture particles in a laboratory setting, and no claim is made that these particles will be retained within the media during real world working conditions. This means that a filter with a high laboratory Beta Ratio could allow particles to pass back into the clean side of the filter causing premature component wear.

Many competitors will use a "nominal" and an "absolute" micro rating. For example, a filter may be labeled as having a low nominal rating with particles of 5 microns in size, while showing a high absolute rating for particles 15 microns in size. What this means is that ISO 16889 shows that the filter is able to capture nearly all of the larger particles, while letting roughly half of the smaller particles through to damage fuel injectors and other components.

The illustration below demonstrates the difference between the nominal and absolute ratings. The data on the left (for particles 5 microns and larger) is said to indicate a "Beta Ratio of 2," while the data on the right (for particles 15 microns and larger) indicates a "Beta Ratio of 75." The particle size (or microns at which the Beta ratio is calculated) is shown as a subscript to the Beta symbol.

(Continued)

Understanding Micron Ratings (Continued)



For example, if 2,000 particles 5 microns or greater are counted upstream and 1,000 particles 5 microns or greater are counted downstream in the oil, the Beta Ratio equals 2. $B_5 = 2$ means that a 5-micron filter can remove 50% of all particles that are 5 microns or larger.

What Does This All Really Mean?

A better way of understanding micron rating is using a Lab Efficiency metric. A Beta Ratio can be converted into a Lab Efficiency number using this equation:
% Efficiency = 1-(1/Beta Ratio).

When this conversion is performed it is clear to see that ratios above 75 do not represent a significant improvement in performance. A Beta of 200 only improves lab test efficiency by 0.8%, or within the variability introduced through the sampling and testing process.

Beta Ratios : Efficiency %	
Beta Ratio	Efficiency (%)
2	50%
75	98.7%
200	99.5%

Consistent Quality is the Key to Reducing Component Wear

Summary

Do not be misled by claims based upon unrepresentative lab tests or ambiguous micron ratings. A similar Beta Ratio summary can be found in the marketing materials of most will-fit suppliers, but little mention is made of the most critical filter aspects: Structural Integrity and Consistent Quality.

Caterpillar's highly automated manufacturing processes and robust designs virtually eliminate many of the inconsistencies that occur on many conventional filter assembly lines. Examples of problems arising from these inconsistencies are metallic process contamination and end-cap/media-seam leak paths. Caterpillar clearly recognizes that automation and strict quality control are the keys to minimizing part-to-part variation. The best measure of a filter must include metrics that capture field performance, quality, and consistency.

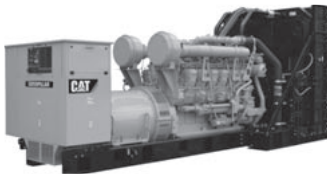
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Summary (Continued)

	Standard	Advanced	UHE
Air Filter - Engine	Initial Efficiency Rating minimum 99.6% (SAE J726)	Not Available	Not Applicable (99.9% efficient)
Breathers	>50 µm absolute	10 - 50 µm absolute	< 10 µm absolute
Engine Oil Filter	30 - 40 µm absolute	15 - 30 µm absolute	< 15 µm absolute
Fuel Filter	>10 µm absolute	4 - 10 µm absolute	< 4 µm absolute
Fuel / Water Separator	>20 µm absolute	10 - 20 µm absolute	< 10 µm absolute
Hydraulic Filter	27 - 40 µm absolute	10 - 27 µm absolute	< 10 µm absolute
Power Train Filter	27 - 40 µm absolute	10 - 27 µm absolute	< 10 µm absolute

Micron Ratings

Coolants



Cat Recommended Coolants		
Engine Type	Coolant Type	Service Life {1}
Natural Gas	Cat NGEC	Three Years {4} {5}
Diesel	Cat ELC	12,000 Service Hours or Six Years {2} {3}
Diesel	Cat DEAC	3,000 Service Hours or Three Years {3} {4}
Natural Gas	Cat SCA	Two years {4} {5}
Diesel	Cat ELI	12,000 service hours or Six Years {2} {3}
Diesel	Cat SCA	3,000 service hours or Two Years {2} {3}
{1} Use the interval that occurs first.		
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.		
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.		
{4} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and Level 1 sampling every 500 hours.		
{5} The service life is limited by use (service hours). Refer to the specific engine Operation and Maintenance Manual		

Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250, SEBU6400 and SEBU7003).

Engine Type	Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Natural Gas						
	Cat NGEO EL350	SAE 40	-10	40	14	104
Deisel						
	Cat DEO	SAE 15W-40	-9.5	50	15	122
	Cat DEO	SAE 10W-30	-18	40	0	104
	Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
	Cat DEO-ULS	SAE 10W-30	-18	40	0	104
	Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Greases

Cat Recommended Grease	
Grease Type	**Part Number**
Cat Generator Set Grease	108-8611
High Speed Ball Bearing	2S-3230

Filters

The “Part Number” column represents the “As Shipped” filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

C2.2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
C4M1-UP, G7M1-UP			
Air	1	247-1380	247-1380
Air Primary	1	130-4678	130-4678
Air Primary	1	198-5314	198-5314
Air Secondary	1	130-4679	130-4679
Engine Oil	1	220-1523	220-1523
Engine Oil	1	269-8325	269-8325
Fuel	1	150-4142	150-4142
Fuel	1	183-4322	183-4322
Fuel	1	276-1806	276-1806
Fuel	1	033-7854	033-7854
Fuel - FWS	1	308-7298	308-7298
Fuel - UHE	1	299-8229	--
Fuel Primary	1	309-0860	309-0860
C6M1-UP, G7L1-UP			
Air	1	247-1380	247-1380
Engine Oil	1	220-1523	220-1523
Fuel	1	296-0888	296-0888
Fuel	1	276-1806	276-1806
Fuel	1	150-4142	150-4142
Fuel	1	033-7854	033-7854
C8Y1-UP			
Air	1	247-1380	247-1380
Engine Oil	1	220-1523	220-1523
Fuel	1	033-7854	033-7854
C8Z1-UP, SAG1-UP			
Engine Oil	1	220-1523	220-1523
Fuel	1	033-7854	033-7854
E2M1-UP (Engine)			
Air	1	247-1380	247-1380
Air	1	266-2793	266-2793
Air Primary	1	198-5314	198-5314
Engine Oil	1	220-1523	220-1523

Description	Qty.	Part Number	STND
E2M1-UP (Engine) (Continued)			
Fuel	1	276-1806	276-1806
Fuel	1	033-7854	033-7854
E6K1-UP (Engine)			
Air	1	247-1380	247-1380
Engine Oil	1	220-1523	220-1523
Fuel	1	276-1806	276-1806
Fuel	1	033-7854	033-7854
GBE1-UP, XYE1-UP			
Air	1	266-2793	266-2793
Fuel	1	276-1806	276-1806
JAW1-UP			
Air Primary	1	198-5314	198-5314
NCB1-UP			
Air	1	246-5011	246-5011
Air	1	266-2793	266-2793
Fuel	1	276-1806	276-1806
TAG1-UP			
Air Primary	1	198-5314	198-5314
Engine Oil	1	220-1523	220-1523
Fuel	2	236-6057	236-6057
Fuel	1	210-6787	210-6787
Fuel	1	206-6910	206-6910
Fuel	1	033-7854	033-7854

C3.3

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
1131-UP			
Fuel	1	258-8538	258-8538
E3H1-UP, E3J1-UP (Engine)			
Fuel - FWS	1	1R-1803	1R-1803
E3K1-UP			
Fuel - FWS	1	252-6338	252-6338
Fuel - FWS	1	1R-1803	1R-1803

Description	Qty.	Part Number	STND
N3C1-UP, NCC1-UP			
Air	1	266-2793	266-2793
Air Primary	1	267-6398	267-6398
Air Secondary	1	267-6399	267-6399

(Continued)

C3.3 (Continued)

Description	Qty.	Part Number	STND
N3X1-UP, X3B1-UP			
Air	1	266-2793	266-2793
Air Primary	1	267-6398	267-6398
Air Secondary	1	267-6399	267-6399

Description	Qty.	Part Number	STND
N3X1-UP, X3B1-UP (Continued)			
Fuel	1	258-8538	258-8538

C4.4

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
4441-4885				
Air	1	307-2807	307-2807	--
Air	1	321-2413	321-2413	--
Air Primary	1	206-5234	206-5234	--
Air Primary	1	321-2411	321-2411	--
Air Secondary	1	321-2412	321-2412	--
Air Secondary	1	206-5235	206-5235	--
Engine Oil	1	7W-2326	7W-2326	--
Fuel	1	346-0523	346-0523	--
Fuel	1	311-1110	311-1110	--
Fuel - FWS	1	308-7298	308-7298	--
Fuel - UHE	1	299-8229	--	--
4444886-UP				
Air	1	307-2807	307-2807	--
Air	1	321-2413	321-2413	--
Air Primary	1	206-5234	206-5234	--
Air Primary	1	321-2411	321-2411	--
Air Secondary	1	321-2412	321-2412	--
Air Secondary	1	206-5235	206-5235	--
Engine Oil	1	7W-2326	7W-2326	--
Engine Oil	1	269-8325	269-8325	--
Fuel	1	346-0523	346-0523	--
Fuel	1	311-1110	311-1110	--
Fuel - FWS	1	308-7298	308-7298	--
Fuel - UHE	1	299-8229	--	--
D1K1-UP (Engine)				
Air Primary	1	123-2367	123-2367	--
Engine Oil	1	7W-2326	7W-2326	--
Engine Oil	2	081-4661	081-4661	--
D4B1-UP				
Air	1	322-0551	322-0551	--
Air	1	322-0552	322-0552	--
Filter As - Air	1	299-4053	299-4053	--
D4D1-UP				
Air	1	307-2807	307-2807	--
Air	1	322-0551	322-0551	--
Air	1	322-0552	322-0552	--
Air Primary	1	206-5234	206-5234	--
Air Secondary	1	206-5235	206-5235	--

Description	Qty.	Part Number	STND	ADV[1]
D4D1-UP (Continued)				
Filter As - Air	1	299-4053	299-4053	--
Fuel	1	258-8538	258-8538	--
E3N1-UP (Engine)				
Engine Oil	1	7W-2326	7W-2326	--
Fuel - FWS	1	252-6338	252-6338	--
Fuel - FWS	1	1R-1804	1R-1804	--
E4M1-UP (Engine)				
Engine Oil	1	7W-2326	7W-2326	--
Fuel - FWS	1	1R-1804	1R-1804	--
E5M1-UP (Engine)				
Engine Oil	1	7W-2326	7W-2326	--
Fuel - FWS	1	308-7298	308-7298	--
Fuel - UHE	1	299-8229	--	--
GLD1-UP				
Air Primary	1	110-6326	110-6326	--
Air Primary	1	270-7368	270-7368	--
Fuel - FWS	1	1R-1804	1R-1804	--
GLE1-UP				
Air Primary	1	110-6326	110-6326	--
Fuel - FWS	1	1R-1804	1R-1804	--
J1Z1-UP (Engine)				
Air Primary	1	233-5182	233-5182	--
Air Primary	1	212-4478	212-4478	--
Engine Oil	1	7W-2326	7W-2326	--
Fuel	2	287-6052	287-6052	--
L1K1-UP				
Air Primary	1	123-2367	123-2367	--
Air Primary	1	233-5182	233-5182	--
Air Primary	1	212-4478	212-4478	--
Air Secondary	1	233-5184	233-5184	--
Air Secondary	1	123-2368	123-2368	--
Engine Oil	2	081-4661	081-4661	--
Fuel	1	250-6527	250-6527	--
Fuel	2	287-6052	287-6052	--

(Continued)

C4.4 (Continued)

Description	Qty.	Part Number	STND	ADV[1]
MMC1-UP				
Air Primary	1	233-5182	233-5182	--
Air Secondary	1	233-5184	233-5184	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750
N4D1-UP, NCD1-UP				
Air Primary	1	110-6326	110-6326	--
Air Primary	1	270-7368	270-7368	--
N4E1-UP, NCE1-UP				
Air Primary	1	233-5182	233-5182	--
N4X1-UP				
Air Primary	1	110-6326	110-6326	--
Air Primary	1	270-7368	270-7368	--
Fuel	1	258-8538	258-8538	--
S1M1-UP				
Air Primary	1	123-2367	123-2367	--
Air Primary	1	110-6326	110-6326	--
Air Primary	1	233-5182	233-5182	--
Air Secondary	1	123-2368	123-2368	--

Description	Qty.	Part Number	STND	ADV[1]
S1M1-UP (Continued)				
Air Secondary	1	233-5184	233-5184	--
Air Secondary	1	110-6331	110-6331	--
Engine Oil	2	081-4661	081-4661	--
Fuel	1	250-6527	250-6527	--
XYC1-UP				
Air Primary	1	233-5182	233-5182	--
Fuel	1	258-8538	258-8538	--
XYD1-UP				
Air Primary	1	110-6326	110-6326	--
Air Primary	1	270-7368	270-7368	--
Fuel	1	258-8538	258-8538	--
Fuel - FWS	1	1R-1804	1R-1804	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C6.6

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6661-1					
Air	1	344-0919	344-0919	--	--
Air	1	246-5011	246-5011	--	--
Air Primary	1	130-4678	130-4678	--	--
Air Primary	1	289-2348	289-2348	--	--
Air Primary	1	221-1170	221-1170	--	--
Air Secondary	1	221-1174	221-1174	--	--
Air	1	289-2349	289-2349	--	--
Air Secondary	1	130-4679	130-4679	--	--
Engine Oil	1	220-1523	220-1523	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Engine Oil	1	269-8325	269-8325	--	--
Fuel	1	346-0523	346-0523	--	--
Fuel	1	033-7854	033-7854	--	--
Fuel	1	311-1110	311-1110	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--
Fuel - FWS	1	308-7298	308-7298	--	--
Fuel - UHE	1	299-8229	--	--	299-8229
Fuel Primary	1	309-0860	309-0860	--	--
Fuel Primary	1	313-7111	313-7111	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6662-3225					
Air	1	344-0919	344-0919	--	--
Air	1	246-5011	246-5011	--	--
Air Primary	1	130-4678	130-4678	--	--
Air Primary	1	289-2348	289-2348	--	--
Air Primary	1	221-1170	221-1170	--	--
Air Secondary	1	221-1174	221-1174	--	--
Air	1	289-2349	289-2349	--	--
Air Secondary	1	130-4679	130-4679	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Engine Oil	1	269-8325	269-8325	--	--
Fuel	1	346-0523	346-0523	--	--
Fuel	1	311-1110	311-1110	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--
Fuel - FWS	1	308-7298	308-7298	--	--
Fuel - UHE	1	299-8229	--	--	299-8229
Fuel Primary	1	309-0860	309-0860	--	--
Fuel Primary	1	313-7111	313-7111	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

(Continued)

C6.6 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6663226-UP					
Air	1	344-0919	344-0919	--	--
Air	1	246-5011	246-5011	--	--
Air Primary	1	130-4678	130-4678	--	--
Air Primary	1	289-2348	289-2348	--	--
Air Primary	1	221-1170	221-1170	--	--
Air Secondary	1	221-1174	221-1174	--	--
Air	1	289-2349	289-2349	--	--
Air Secondary	1	130-4679	130-4679	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Engine Oil	1	269-8325	269-8325	--	--
Fuel	1	346-0523	346-0523	--	--
Fuel	1	311-1110	311-1110	--	--
Fuel	1	309-6653	309-6653	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--
Fuel - FWS	1	308-7298	308-7298	--	--
Fuel - UHE	1	299-8229	--	--	299-8229
Fuel Primary	1	309-0860	309-0860	--	--
Fuel Primary	1	313-7111	313-7111	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
C6T1-UP					
Air	1	326-8644	326-8644	--	--
Engine Oil	2	081-4661	081-4661	--	--
E6M1-6394 (Engine)					
Air Primary	1	289-2348	289-2348	--	--
Air Primary	1	221-1170	221-1170	--	--
Air Primary	1	130-4678	130-4678	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
E6M1-6394 (Engine) (Continued)					
Air Secondary	1	221-1174	221-1174	--	--
Air Secondary	1	130-4679	130-4679	--	--
Air	1	289-2349	289-2349	--	--
Engine Oil	1	269-8325	269-8325	--	--
Fuel - FWS	1	308-7298	308-7298	--	--
Fuel - UHE	1	299-8229	--	--	299-8229
E6M6395-UP (Engine)					
Air	1	344-0919	344-0919	--	--
Air Primary	1	289-2348	289-2348	--	--
Air Primary	1	221-1170	221-1170	--	--
Air Primary	1	130-4678	130-4678	--	--
Air Secondary	1	221-1174	221-1174	--	--
Air	1	289-2349	289-2349	--	--
Air Secondary	1	130-4679	130-4679	--	--
Engine Oil	1	269-8325	269-8325	--	--
Fuel - FWS	1	308-7298	308-7298	--	--
Fuel - UHE	1	299-8229	--	--	299-8229
SAX1-UP (Engine)					
Engine Oil	1	269-8325	269-8325	--	--
SDA1-UP					
Air Primary	1	289-2348	289-2348	--	--
Air	1	289-2349	289-2349	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C9

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9DG1-UP						
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C9A1-UP						
Air	1	196-8518	196-8518	--	--	--
Air Primary	1	4L-9852	4L-9852	--	--	--
Air Primary	1	243-6350	243-6350	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

(Continued)

C9 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C9E1-UP						
Air	1	262-5194	262-5194	--	--	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
C9J1-UP, C9Y1-UP, C9Z1-UP (Engine)						
Air Primary	1	4L-9852	4L-9852	--	--	--
Air Primary	1	243-6350	243-6350	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
C9S1-UP						
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
CKP1-30, SRB1-UP						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
CKP31-42						
Engine Oil	1	211-4359	211-4359	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
CKP43-UP						
Engine Oil	1	211-4359	211-4359	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
KLW1-UP						
Air Primary - UHE	1	132-7167	--	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LFE1-UP						
Engine Oil	1	211-4359	211-4359	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
LFR1-UP						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
MFF1-UP						
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
MTB1-UP						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
P9L1-UP						
Air Primary - UHE	1	132-7167	--	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
S9L1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
SJB1-UP						
Air Primary	1	4L-9852	4L-9852	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
X3R1-UP						
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C15

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B5R1-UP						
Air	1	299-7553	299-7553	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BXS1-UP						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
C5E1-UP						
Air Primary	1	246-5009	246-5009	--	--	--
Air Primary	1	151-7737	151-7737	--	--	--
Air Primary	1	9Y-3879	9Y-3879	--	--	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Air Secondary	1	246-5010	246-5010	--	--	--
Air Secondary	1	189-0202	189-0202	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
C5H1-UP, CYY1-UP, STG1-UP, ZKA1-UP						
Air Primary	1	246-5009	246-5009	--	--	--
Air Primary	1	9Y-3879	9Y-3879	--	--	--
Air Primary	1	151-7737	151-7737	--	--	--
Air Secondary	1	246-5010	246-5010	--	--	--
Air Secondary	1	189-0202	189-0202	--	--	--
C5L1-UP						
Air Primary	1	246-5009	246-5009	--	--	--
Air Primary	1	9Y-3879	9Y-3879	--	--	--
Air Primary	1	151-7737	151-7737	--	--	--
Air Secondary	1	246-5010	246-5010	--	--	--
Air Secondary	1	189-0202	189-0202	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
FFH1-UP (Engine)						
Air Primary	1	246-5009	246-5009	--	--	--
Air Secondary	1	246-5010	246-5010	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
FFJ1-UP, P1K1-UP, P1Z1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
FSE1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
JDK1-UP						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

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C15 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JEP1-UP, KRA1-UP, MHP1-UP, TRB1-UP						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
JJF1-UP (Engine)						
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
LDN1-UP						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
MXS1-UP						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
NKL1-UP, X4R1-UP						
Air Primary	1	246-5009	246-5009	--	--	--
Air Primary	1	151-7737	151-7737	--	--	--
Air Secondary	1	246-5010	246-5010	--	--	--
Air Secondary	1	189-0202	189-0202	--	--	--
NXS1-31372, RKS1-UP						
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
NXS31373-UP						
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
NXS31373-UP (Continued)						
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
PEC1-UP, PET1-UP						
Air Primary	1	151-7737	151-7737	--	--	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Air Secondary	1	189-0202	189-0202	--	--	--
SDP1-UP						
Air	1	299-7553	299-7553	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - ADV, Cartridge	1	276-3641	--	276-3641	--	--
Fuel - FWS	1	256-8753	256-8753	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
OCV	1	328-6272	328-6272	--	--	--
T4A1-UP						
Air Primary	1	9Y-3879	9Y-3879	--	--	--
Air Primary	1	151-7737	151-7737	--	--	--
Air Secondary	1	189-0202	189-0202	--	--	--
X5M1-UP						
Air Primary	1	151-7737	151-7737	--	--	--
Air Secondary	1	189-0202	189-0202	--	--	--
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
OCV	1	326-4690	326-4690	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C32

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
B2C1-112, SMP1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
B2C113-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	299-1893	299-1893	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
JSJ1-UP					
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	226-2779	226-2779	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	208-9066	208-9066	--	--
KNM1-UP					
Air Primary	1	226-2779	226-2779	--	--
Air Secondary	1	208-9066	208-9066	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
MED1-UP					
Air Primary	1	226-2779	226-2779	--	--
Air Secondary	1	208-9066	208-9066	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
MTH1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
PRH1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
RNE1-UP, RNX1-UP					
Air Primary	1	269-7041	269-7041	--	--
Air Primary	1	207-6870	207-6870	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	316-9954	316-9954	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
SXC1-UP					
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	226-2779	226-2779	--	--
Air Secondary	1	208-9066	208-9066	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Primary	1	4P-7384	4P-7384	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
SYC1-UP (Engine)					
Air Primary	1	226-2779	226-2779	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
WDR1-UP					
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	226-2779	226-2779	--	--
Air Primary	1	227-7448	227-7448	--	--
Air Secondary	1	227-7449	227-7449	--	--
Air Secondary	1	208-9066	208-9066	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
XMJ1-UP					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C175-16

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
A7B1-UP						
Engine Oil	1	295-4343	295-4343	--	--	--
M6A1-UP						
Air Primary	1	280-4180	280-4180	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Engine Oil	3	249-2340	--	249-2340	--	--
M6B1-UP						
Engine Oil	3	249-2340	--	249-2340	--	--
P6L1-UP						
Air Primary	1	280-4180	280-4180	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Engine Oil	1	295-4343	295-4343	--	--	--
Engine Oil	3	249-2340	--	249-2340	--	--
Fuel - ADV	4	1R-0766	--	1R-0766	--	--
Fuel - FWS	1	316-9954	316-9954	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
WYB1-UP						
Air Primary	1	280-4180	280-4180	--	--	--
Air Primary	1	269-7041	269-7041	--	--	--
Air Primary	1	105-9741	105-9741	--	--	--
Air Secondary	1	281-7246	281-7246	--	--	--
Engine Oil	3	249-2340	--	249-2340	--	--
Engine Oil	1	295-4343	295-4343	--	--	--
Fuel	1	264-7727	264-7727	--	--	--
Fuel - ADV	4	1R-0766	--	1R-0766	--	--
Fuel - FWS	1	264-7726	264-7726	--	--	--
Fuel - FWS	1	316-9954	316-9954	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3306

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
07Y1-1833					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4719	4P-4719	--	--
07Y1834-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
07Y1834-UP (Continued)					
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4719	4P-4719	--	--
3CF1-UP					
Air Primary	1	7W-5495	7W-5495	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
4DL1-38					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
CNR1-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel	1	4P-4719	4P-4719	--	--
CTT1-UP, HCC1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

(Continued)

G3306 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
D4X1-UP					
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--
G6X1-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel	1	4P-4719	4P-4719	--	--
Gas	1	322-4981	322-4981	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
H6D1-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
JCA1-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel	1	4P-4719	4P-4719	--	--
Gas	1	322-4981	322-4981	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3406

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1RK1-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	14	4P-3631	4P-3631	--	--
Fuel	1	4P-4719	4P-4719	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Gas	1	322-4981	322-4981	--	--
Hydraulic	1	108-7980	108-7980	--	--
4FD1-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4FD1-UP (Continued)					
Engine Oil	14	4P-3631	4P-3631	--	--
Fuel	1	4P-4719	4P-4719	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Gas	1	322-4981	322-4981	--	--
Gas	1	322-4984	322-4984	--	--
Hydraulic	1	108-7980	108-7980	--	--
5NW1-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	14	4P-3631	4P-3631	--	--
Hydraulic	1	108-7980	108-7980	--	--
CRE1-UP, CTS1-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484

(Continued)

G3406 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KAR1-126					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KAR127-UP, R7E1-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Gas	1	322-4984	322-4984	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3408C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3WR1-UP, 8YR1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
6FW1-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6FW1-UP (Continued)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil	14	4P-3631	4P-3631	--	--
Engine Oil	1	148-6399	148-6399	--	--
Hydraulic	1	108-7980	108-7980	--	--
BAZ1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Gas	1	322-4984	322-4984	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3412

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3NK1-UP					
Air Primary	1	4W-5228	4W-5228	--	132-7171
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	1N-4864	1N-4864	--	--
Engine Oil	14	4P-3631	4P-3631	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
7DB1-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	1N-4864	1N-4864	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7DB1-UP (Continued)					
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Engine Oil	14	4P-3631	4P-3631	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel	1	4P-4719	4P-4719	--	--
Gas	1	322-4981	322-4981	--	--
Gas	1	322-4985	322-4985	--	--
CRF1-UP, CTP1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
KAP1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Gas	1	322-4985	322-4985	--	--

(Continued)

G3412 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
R7A1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Gas	1	322-4981	322-4981	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3412C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5KR1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel	1	4P-4719	4P-4719	--	--
6ZM1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel	1	4P-4719	4P-4719	--	--
Gas	1	322-4981	322-4981	--	--
Gas	1	322-4985	322-4985	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8LW1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil	1	148-6399	148-6399	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
9RR1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3512E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GTX1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
NGS1-UP					
Air Primary	1	280-4180	280-4180	--	--
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
PBJ1-UP					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
SSR1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3516

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

G3516 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
25Z1-814					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	251-5885	251-5885	--	292-5862
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	9Y-7663	9Y-7663	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
25Z815-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	251-5885	251-5885	--	292-5862
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	9Y-7663	9Y-7663	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
3RC1-145					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil	1	119-2104	119-2104	--	--
Engine Oil	14	4P-3631	4P-3631	--	--
Fuel	1	4P-4721	4P-4721	--	--
Fuel	1	4P-4719	4P-4719	--	--
Fuel	1	4P-4720	4P-4720	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3RC146-UP					
Air	1	2W-4246	2W-4246	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil	1	119-2104	119-2104	--	--
Engine Oil	14	4P-3631	4P-3631	--	--
Fuel	1	4P-4721	4P-4721	--	--
Fuel	1	4P-4719	4P-4719	--	--
Fuel	1	4P-4720	4P-4720	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
4EK1-499					
Air	1	2W-4246	2W-4246	--	--
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	105-9741	105-9741	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel	1	4P-4720	4P-4720	--	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
4EK500-UP					
Air	1	2W-4246	2W-4246	--	--
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	105-9741	105-9741	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Fuel	1	4P-4720	4P-4720	--	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
5PN1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
8LD1-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	6N-6444	6N-6444	--	--

(Continued)

G3516 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8LD1-UP (Continued)					
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil	1	119-2104	119-2104	--	--
Engine Oil	14	4P-3631	4P-3631	--	--
Fuel	1	4P-4720	4P-4720	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
8PW1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil	1	148-6399	148-6399	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
CPG1-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil	1	119-2104	119-2104	--	--
Engine Oil	14	4P-3631	4P-3631	--	--
Fuel	1	4P-4720	4P-4720	--	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
CSZ1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	105-9741	105-9741	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel	1	4P-4720	4P-4720	--	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
CTL1-UP (Engine)					
Air	1	2W-4246	2W-4246	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
WPS1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil	1	119-2104	119-2104	--	--
Engine Oil	14	4P-3631	4P-3631	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
WPS1-UP (Continued)					
Fuel	1	4P-4720	4P-4720	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
WPT1-UP, WPW1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Fuel	1	4P-4720	4P-4720	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
ZAZ1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil	1	119-2104	119-2104	--	--
Engine Oil	14	4P-3631	4P-3631	--	--
Fuel	1	4P-4720	4P-4720	--	--
Fuel Primary	2	134-6307	134-6307	--	--
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
ZBA1-UP					
Air	1	2W-4246	2W-4246	--	--
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	105-9741	105-9741	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel	1	4P-4720	4P-4720	--	--
Fuel Primary	2	134-6307	134-6307	--	--
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3516B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7EZ1-260						
Air	1	191-2301	191-2301	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	105-9741	105-9741	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Engine Oil	1	6H-6095	6H-6095	--	--	--
Fuel	1	195-3879	195-3879	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
7EZ261-UP						
Air	1	191-2301	191-2301	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	105-9741	105-9741	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Engine Oil	1	6H-6095	6H-6095	--	--	--
Fuel	1	195-3879	195-3879	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
CEY1-UP						
Air	1	191-2301	191-2301	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Engine Oil	1	6H-6095	6H-6095	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
CME1-UP						
Air	1	191-2301	191-2301	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Primary	1	208-9065	208-9065	--	--	--
Fuel	1	195-3879	195-3879	--	--	--
Fuel	1	4P-4720	4P-4720	--	--	--
Fuel	1	154-9385	154-9385	--	--	--
CSC1-UP						
Air	1	191-2301	191-2301	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Primary	1	226-2779	226-2779	--	--	--
Fuel	1	154-9385	154-9385	--	--	--
Fuel	1	195-3879	195-3879	--	--	--
Fuel	1	4P-4720	4P-4720	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSC1-UP (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
CTW1-UP (Engine)						
Engine Oil	1	6H-6095	6H-6095	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
JEF1-UP						
Air Primary	1	226-2779	226-2779	--	--	--
Gas	1	322-4984	322-4984	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
ZBB1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Engine Oil	1	6H-6095	6H-6095	--	--	--
Fuel	1	154-9385	154-9385	--	--	--
Fuel	1	195-3879	195-3879	--	--	--
Fuel	1	4P-4720	4P-4720	--	--	--
Gas	3	316-0680	316-0680	--	--	--
Gas	1	322-4985	322-4985	--	--	--
Gas	1	322-4984	322-4984	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
ZBC1-UP						
Air	1	191-2301	191-2301	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Engine Oil	1	6H-6095	6H-6095	--	--	--
Fuel	1	154-9385	154-9385	--	--	--
Fuel	1	195-3879	195-3879	--	--	--
Fuel	1	4P-4720	4P-4720	--	--	--
Gas	3	316-0680	316-0680	--	--	--
Gas	1	322-4985	322-4985	--	--	--
Gas	1	322-4984	322-4984	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3516C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GSB1-UP, GZC1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--
GZZ1-UP					
Air	1	191-2301	191-2301	--	--
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GZZ1-UP (Continued)					
Gas	1	322-4984	322-4984	--	--
TJB1-UP					
Air	1	191-2301	191-2301	--	--
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
TJC1-UP, TJD1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3516E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GAS1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
SLY1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3520

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XW1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Fuel	1	4P-2222	4P-2222	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

(Continued)

G3520B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BGW1-UP						
Air	1	191-2301	191-2301	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Engine Oil	1	6H-6095	6H-6095	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
CTK1-UP (Engine)						
Air	1	191-2301	191-2301	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Engine Oil	1	6H-6095	6H-6095	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
CWD1-UP						
Air Primary	1	208-9065	208-9065	--	--	--
Fuel	1	154-9385	154-9385	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
GET1-UP						
Air	1	191-2301	191-2301	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Engine Oil	1	6H-6095	6H-6095	--	--	--
Fuel	1	154-9385	154-9385	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
GLF1-UP						
Air	1	191-2301	191-2301	--	--	--
Air Primary	1	280-4180	280-4180	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	226-2779	226-2779	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
GLF1-UP (Continued)						
Engine Oil	1	6H-6095	6H-6095	--	--	--
Fuel	1	4P-4720	4P-4720	--	--	--
Gas	1	322-4985	322-4985	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
GZP1-UP						
Air	1	191-2301	191-2301	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Engine Oil	1	6H-6095	6H-6095	--	--	--
Fuel	1	154-9385	154-9385	--	--	--
Fuel	1	4P-4720	4P-4720	--	--	--
Gas	3	316-0680	316-0680	--	--	--
Gas	1	322-4985	322-4985	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
TPC1-UP						
Air Primary	1	280-4180	280-4180	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	226-2779	226-2779	--	--	--
Engine Oil	1	6H-6095	6H-6095	--	--	--
Fuel	1	4P-4720	4P-4720	--	--	--
Gas	1	322-4985	322-4985	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3520C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

G3520C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
B9P1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
CWW1-UP, CWY1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
Fuel	1	154-9385	154-9385	--	--
GZA1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
Fuel	1	154-9385	154-9385	--	--
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--
GZB1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
Fuel	1	154-9385	154-9385	--	--
Gas	1	322-4984	322-4984	--	--
GZJ1-UP					
Air	1	2W-4246	2W-4246	--	--
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
GZK1-UP, HAT1-UP, LGS1-UP, MAD1-UP					
Air	1	2W-4246	2W-4246	--	--
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GZL1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--
GZM1-UP, GZN1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
Fuel	1	154-9385	154-9385	--	--
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
HEA1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
HEB1-UP					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
RLP1-UP					
Air	1	128-3919	128-3919	--	--
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Gas	3	316-0680	316-0680	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3520E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

G3520E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GZE1-UP					
Air	1	128-3919	128-3919	--	--
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--
GZG1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
Gas	1	322-4984	322-4984	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GZH1-UP					
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--
Gas	3	316-0680	316-0680	--	--
Gas	1	322-4985	322-4985	--	--
Gas	1	322-4984	322-4984	--	--
HAL1-UP, SXY1-UP					
Air Primary	1	105-9741	105-9741	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4720	4P-4720	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3524

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
5ZZ1-235 (Engine)				
Air Primary	1	8N-6309	8N-6309	185-8786
Engine Oil	1	6H-6095	6H-6095	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--
5ZZ236-UP (Engine)				
Engine Oil	1	6H-6095	6H-6095	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--

Description	Qty.	Part Number	STND	UHE[1]
7SZ1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
CTM331-UP (Engine)				
Hydraulic - Cartridge	1	1R-0726	1R-0726	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3532

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
8BZ1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
8JZ1-171 (Engine)				
Air Primary	1	8N-6309	8N-6309	185-8786
Engine Oil	1	6H-6095	6H-6095	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--

Description	Qty.	Part Number	STND	UHE[1]
8JZ172-266 (Engine)				
Engine Oil	1	6H-6095	6H-6095	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--
8JZ267-UP (Engine)				
Hydraulic - Cartridge	1	1R-0726	1R-0726	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PM3456

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3PG1000-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
B3G150-UP					
Air Primary	1	151-7737	151-7737	--	--
Air Secondary	1	189-0202	189-0202	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

UPS 250, UPS 300

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
APZ1-UP, BEE1-UP, CNM1-UP, CNJ1-UP, CPZ1-UP			
Air	1	180-6265	180-6265
Air	1	180-6264	180-6264

UPS 301

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
CSY1-UP			
Air	1	180-6264	180-6264
Air	1	180-6265	180-6265

UPS 500, UPS 600

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
CSE1-UP, CTX1-UP			
Air	1	180-6265	180-6265
Air	1	180-6264	180-6264

UPS 750, UPS 900

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

UPS 750, UPS 900 (Continued)

Description	Qty.	Part Number	STND
CPM1-UP, CRY1-UP			
Air	1	180-6264	180-6264
Air	1	180-6265	180-6265

3114

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1ZG1-432					
Air Primary	1	7W-5389	7W-5389	--	--
Air Secondary	1	8N-4901	8N-4901	--	--
Engine Oil	1	1R-0714	1R-0714	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
1ZG433-UP					
Air Primary	1	7W-5389	7W-5389	--	--
Air Secondary	1	8N-4901	8N-4901	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
4KR1-UP					
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--
Engine Oil	1	1R-0714	1R-0714	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
5EF1-1089, 5JG1-UP					
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	8N-4901	8N-4901	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Engine Oil	1	1R-0714	1R-0714	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5EF1090-UP					
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	8N-4901	8N-4901	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Engine Oil	1	1R-0714	1R-0714	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
5YL1-UP					
Air	1	107-7311	107-7311	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
6AF1-UP					
Engine Oil	1	1R-0714	1R-0714	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3304

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

3304 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
02B1-4363, 04B1-1718, 05B1-2056					
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
02B4364-9536, 04B1719-7793					
Air Primary	1	4L-9851	4L-9851	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
02B9537-9599					
Air Primary	1	4L-9851	4L-9851	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
02B9600-13422					
Air Primary	1	4L-9851	4L-9851	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
02B13423-15963					
Air Primary	1	4L-9851	4L-9851	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
02B15964-17172					
Air Primary	1	4L-9851	4L-9851	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
02B17173-17188					
Air Primary	1	4L-9851	4L-9851	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-9803	8N-9803	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
02B17173-17188 (Continued)					
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
02B17189-UP					
Air Primary	1	4L-9851	4L-9851	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
04B7794-14448					
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
04B14449-14499					
Air	1	3S-9606	3S-9606	--	--
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
04B14500-26768					
Air	1	3S-9606	3S-9606	--	--
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344

(Continued)

3304 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
04B14500-26768 (Continued)					
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
04B26769-27366					
Air	1	3S-9606	3S-9606	--	--
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
04B27367-UP					
Air	1	3S-9606	3S-9606	--	--
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
05B2057-2490					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
05B2491-2566					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
05B2567-UP					
Air	1	3S-9606	3S-9606	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
10E1-299					
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	2S-1286	2S-1286	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	2S-1285	2S-1285	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
10E300-814					
Air	1	3S-9606	3S-9606	--	--
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	2S-1286	2S-1286	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	2S-1285	2S-1285	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	2	5R-3178	5R-3178	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
10E815-UP					
Air	1	3S-9606	3S-9606	--	--
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164

(Continued)

3304 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
10E815-UP (Continued)					
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	2S-1286	2S-1286	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	2S-1285	2S-1285	--	--
Air Secondary-Axial Seal	1	9S-9972	9S-9972	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	2	5R-3178	5R-3178	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
13E300-634					
Air	1	3S-9606	3S-9606	--	--
Air Primary	1	4L-9851	4L-9851	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
13E635-UP					
Air	1	3S-9606	3S-9606	--	--
Air Primary	1	4L-9851	4L-9851	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3TC1-UP					
Air Primary	1	7W-5389	7W-5389	--	--
Air Secondary	1	2S-1286	2S-1286	--	--
Air Secondary	1	2S-1285	2S-1285	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	1R-0740	1R-0740	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4PC1-UP					
Air	1	4M-8047	4M-8047	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	2Y-8670	2Y-8670	--	--
4XB1-UP					
Air Primary	1	7W-5316	7W-5316	--	--
Air Primary	1	7W-5389	7W-5389	--	--
Air Secondary	1	2S-1286	2S-1286	--	--
Air Secondary	1	2S-1285	2S-1285	--	--
Air Secondary - Axial Seal	1	2S-1287	2S-1287	--	--
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	1R-0740	1R-0740	--	--
6YB1-287					
Air	1	4M-8047	4M-8047	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
6YB288-UP					
Air	1	4M-8047	4M-8047	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	2Y-8670	2Y-8670	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
83Z1-1830					
Air	1	3S-9606	3S-9606	--	--
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	2S-1286	2S-1286	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	2S-1285	2S-1285	--	--
Air Secondary-Axial Seal	1	9S-9972	9S-9972	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

(Continued)

3304 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
83Z1831-UP					
Air	1	3S-9606	3S-9606	--	--
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	2S-1286	2S-1286	--	--
Air Secondary	1	6I-2502	6I-2502	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
83Z1831-UP (Continued)					
Air Secondary	1	2S-1285	2S-1285	--	--
Air Secondary-Axial Seal	1	9S-9972	9S-9972	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3304B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1BZ1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
1NS1-UP, 1PS1-UP					
Air Primary	1	4L-9851	4L-9851	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
1YF1-166					
Air	1	4M-8047	4M-8047	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	2Y-8670	2Y-8670	--	--
1YF167-UP					
Air	1	4M-8047	4M-8047	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
8XL1-UP					
Air Primary	1	4L-9851	4L-9851	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
9HK1-86					
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	8N-4901	8N-4901	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
9HK1-86 (Continued)					
Fuel	1	3R-2251	3R-2251	--	--
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Air Primary	1	7W-5389	7W-5389	--	--
9HK87-434					
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	8N-4901	8N-4901	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
9HK435-1009					
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	8N-4901	8N-4901	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	146-6694	146-6694	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

(Continued)

3304B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
9HK1010-UP					
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	8N-4901	8N-4901	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Fuel	1	146-6694	146-6694	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DED1-UP					
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3306

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
03N13523-UP (Engine)					
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
23C1-739, 67D1-1102					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
23C740-1265					
Air Primary	1	4L-9851	4L-9851	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
23C1266-1331					
Air Primary	1	4L-9851	4L-9851	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
23C1332-1518, 23C1616-1990					
Air Primary	1	4L-9851	4L-9851	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
23C1332-1518, 23C1616-1990 (Continued)					
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
23C1519-1615, 23C1991-UP					
Air Primary	1	4L-9851	4L-9851	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
2ZC1-UP					
Fuel	1	2Y-8670	2Y-8670	--	--
5JC1-428					
Air Primary	1	7W-5316	7W-5316	--	--
Air Secondary - Axial Seal	1	2S-1287	2S-1287	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
5JC429-UP					
Air Primary	1	7W-5316	7W-5316	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Air Secondary	1	1P-7360	1P-7360	--	--
Air Secondary - Axial Seal	1	2S-1287	2S-1287	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

(Continued)

3306 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
64Z1-33504					
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary	1	7W-5316	7W-5316	--	--
Air Primary	1	2S-5648	2S-5648	--	--
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Air Secondary	1	1P-7360	1P-7360	--	--
Air Secondary	1	2S-1285	2S-1285	--	--
Air Secondary - Axial Seal	1	2S-1287	2S-1287	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
64Z33505-35753					
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary	1	7W-5316	7W-5316	--	--
Air Primary	1	2S-5648	2S-5648	--	--
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary	1	1P-7360	1P-7360	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Air Secondary	1	2S-1285	2S-1285	--	--
Air Secondary - Axial Seal	1	2S-1287	2S-1287	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
64Z33505-35753 (Continued)					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
64Z35754-UP					
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary	1	7W-5316	7W-5316	--	--
Air Primary	1	2S-5648	2S-5648	--	--
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary	1	6I-2504	6I-2504	--	--
Air Secondary	1	1P-7360	1P-7360	--	--
Air Secondary	1	2S-1285	2S-1285	--	--
Air Secondary - Axial Seal	1	2S-1287	2S-1287	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
66D1-321, 7HB276-UP					
Fuel - FWS	1	8N-9803	8N-9803	--	--
66D322-8890					
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
66D8891-26831					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--

(Continued)

3306 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
66D8891-26831 (Continued)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
66D26832-26999					
Air Primary	1	2S-5648	2S-5648	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
66D27000-32136, 66D50014-UP					
Air Primary	1	2S-5648	2S-5648	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
66D32137-37707, 66D49971-50013					
Air Primary	1	2S-5648	2S-5648	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	1	1W-8633	1W-8633	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
66D37708-49917, 66D49959-49970					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary	1	2S-5648	2S-5648	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	1	1W-8633	1W-8633	--	--
Fuel	1	1R-0711	1R-0711	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
66D49918-49958					
Air Primary	1	2S-5648	2S-5648	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	1	1R-0711	1R-0711	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
67D1103-2421					
Air Primary	1	4L-9852	4L-9852	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
67D2422-UP					
Air Primary	1	4L-9852	4L-9852	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

(Continued)

3306 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
68D1-UP					
Air Primary	1	4L-9852	4L-9852	--	--
70R1-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
76R1-2778					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
76R2779-6160, 76R6300-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
76R6161-6299					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Fuel	1	1W-8633	1W-8633	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
7HB1-275					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
84Z1-UP					
Air Primary	1	4L-9852	4L-9852	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
84Z1-UP (Continued)					
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
85Z1-UP					
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary	1	7W-5316	7W-5316	--	--
Air Primary	1	2S-5648	2S-5648	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary	1	1P-7360	1P-7360	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Air Secondary - Axial Seal	1	2S-1287	2S-1287	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3306B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

3306B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1BM1-UP					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	129-0373	129-0373	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
1CZ1-UP, EPS1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
1DG1-UP					
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
1RS1-UP					
Air Primary	1	4L-9852	4L-9852	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
2AJ1-UP					
Air Primary	1	7C-1570	7C-1570	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
2TM1-UP					
Air Primary	1	7C-1570	7C-1570	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
3RG1-311					
Fuel	1	2Y-8670	2Y-8670	--	--
5GZ1-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5GZ1-UP (Continued)					
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
5KD1-471					
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
5KD472-2351					
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
5KD2352-UP					
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
63Z1-2649					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
63Z2650-4260, 63Z6576-9434, 63Z9444-9444, 63Z9463-9463, 63Z9592-9592, 63Z9595-11912, 63Z17865-19289					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484

(Continued)

3306B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
63Z2650-4260, 63Z6576-9434, 63Z9444-9444, 63Z9463-9463, 63Z9592-9592, 63Z9595-11912, 63Z17865-19289 (Continued)					
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
63Z4261-6575, 63Z9435-9443, 63Z9445-9462, 63Z9464-9591, 63Z9593-9594, 63Z11913-17864, 63Z19290-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	4M-9334	4M-9334	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
7JB1-UP					
Air Primary	1	7W-5316	7W-5316	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary	1	1P-7360	1P-7360	--	--
Air Secondary - Axial Seal	1	2S-1287	2S-1287	--	--
Air Secondary-Axial Seal	1	6I-0274	6I-0274	--	--
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	129-0373	129-0373	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
8JJ1-103					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	1R-0711	1R-0711	--	--
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
8JJ104-455					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	6N-6444	6N-6444	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8JJ104-455 (Continued)					
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
8JJ456-1030					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	146-6694	146-6694	--	--
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
8JJ1031-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	146-6694	146-6694	--	--
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
8NS1-UP, LRW1-UP					
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
9DS1-879					
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

(Continued)

3306B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
9DS880-UP					
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	8N-9803	8N-9803	--	--
9NR1-UP					
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary	1	7C-1570	7C-1570	--	--
Air Primary	1	4N-0326	4N-0326	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary	1	6I-2504	6I-2504	--	--
Air Secondary-Axial Seal	1	6I-0274	6I-0274	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Air Secondary-Axial Seal	1	4N-0313	4N-0313	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
9SL1-UP					
Air Primary	1	4L-9852	4L-9852	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
B8D1-UP					
Air Primary	1	7C-1570	7C-1570	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary-Axial Seal	1	6I-0274	6I-0274	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	8N-9803	8N-9803	--	--
EFA1-UP					
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
KAC1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
R6J1-UP (Engine)					
Fuel Secondary	1	1R-1712	1R-1712	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3406B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2EK1-581, 4MG83945-91815, 5YG401-648					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3366	9N-3366	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2EK582-UP, 4CK1-UP, 4MG3600-83944, 4MG91816-UP, 5YG1-400, 5YG649-783					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

(Continued)

3406B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3ZJ1-3554					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	1R-0712	1R-0712	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3ZJ3555-59797					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	1	1R-0712	1R-0712	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3ZJ59798-UP					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	1	1R-0712	1R-0712	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4JK1-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4MG1-3599					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4TB1-UP					
Air	1	101-1626	101-1626	--	--
Air	1	133-2217	133-2217	--	--
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	4N-0015	4N-0015	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4TB1-UP (Continued)					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic	1	9G-6420	9G-6420	--	--
5KJ1-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3366	9N-3366	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
5YG784-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3366	9N-3366	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
7FB1-13434					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
7FB13435-82029					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
7FB82030-UP, 8TC1-13516, 8TC14375-UP					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484

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3406B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7FB82030-UP, 8TC1-13516, 8TC14375-UP (Continued)					
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
8TC13517-14374					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8TC13517-14374 (Continued)					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
9PL1-UP					
Air Primary	1	4N-0015	4N-0015	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3412C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1EZ1-UP, 3FZ1-UP, BPG1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3JK1-UP					
Air	1	133-2217	133-2217	--	--
Air Primary	1	6I-0384	6I-0384	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4121-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
5FL1-UP					
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
60M1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary	1	4N-0015	4N-0015	--	--
Air Secondary	1	8N-2556	8N-2556	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
81Z1-UP					
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
8AR1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--

(Continued)

3412C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8AR1-UP (Continued)					
Coolant	1	111-2371	111-2371	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
9BR1-UP					
Air Primary	1	4N-0015	4N-0015	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
9EP1-UP					
Air	1	151-7738	151-7738	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	151-7737	151-7737	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	142-1404	142-1404	--	--
Air Secondary	1	189-0202	189-0202	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
BAK1-UP					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Secondary	1	6I-2510	6I-2510	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
BAX1-UP					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	111-2371	111-2371	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
BCW1-UP					
Air	1	151-7738	151-7738	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	151-7737	151-7737	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BCW1-UP (Continued)					
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	142-1404	142-1404	--	--
Air Secondary	1	189-0202	189-0202	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
BLG1-UP (Engine)					
Air Primary	1	7C-1571	7C-1571	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
DJN1-UP					
Air	1	151-7738	151-7738	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	142-1339	142-1339	--	220-0453
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	142-1404	142-1404	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
LRY1-UP					
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
PTL1-UP					
Air	2	6I-4886	6I-4886	--	--
Air	2	6I-4887	6I-4887	--	--
Air	1	6I-4884	6I-4884	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
RLR1-UP					
Air Primary	1	4N-0015	4N-0015	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	111-2371	111-2371	--	--

(Continued)

3412C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
RLR1-UP (Continued)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
RTY1-UP					
Air Primary - UHE	1	132-7167	--	--	132-7167
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	142-1404	142-1404	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
TFT1-UP					
Air	1	151-7738	151-7738	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	142-1404	142-1404	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3508

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1JZ1-UP (Engine)					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
1ZF1-463					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	9Y-3879	9Y-3879	--	--
Air Primary	1	251-5885	251-5885	--	292-5862
Air Secondary	1	9Y-7663	9Y-7663	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
1ZF464-UP					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	9Y-3879	9Y-3879	--	--
Air Primary	1	251-5885	251-5885	--	292-5862
Air Secondary	1	9Y-7663	9Y-7663	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
23Z1-725					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil	1	6H-6095	6H-6095	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
23Z1-725 (Continued)					
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
23Z726-1332					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
23Z1333-2320					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
23Z2321-UP					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786

(Continued)

3508 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
23Z2321-UP (Continued)					
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
3HM1-UP, 9WN1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
3LS1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3PS1-UP, 3TS1-UP, 8TL1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
5PW1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel	1	152-8845	152-8845	--	--
Fuel - FWS	1	152-8843	152-8843	--	--
5XM1-UP, 69Z253-UP, 96Y602-UP, CTF1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
68Z1-677					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
68Z678-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
69Z1-252, 70Z1-UP, 96Y1-601					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
6TJ1-UP, CAW1-UP, CNF1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
95Y1-622					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
95Y623-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
97Y1-UP					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	8N-3080	8N-3080	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--

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3508 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CNE1-UP					
Fuel Primary	2	134-6307	134-6307	--	--
PTK1-UP					
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
ZAB1-UP					
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3508B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FZ1-UP, 2HW1-UP, CBB1-UP, CTC1-UP, P8K1-UP (Engine)						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
1TW1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
2BM1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
3DM1-UP, 3DW1-UP, 7SM1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4GM1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel - Ethanol	1	121-9868	--	--	--	121-9868
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
5KW1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel	1	152-8845	152-8845	--	--	--
Fuel - FWS	1	152-8843	152-8843	--	--	--
5PS1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
6PN1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel - Ethanol	1	121-9868	--	--	--	121-9868
Fuel Primary	2	134-6307	134-6307	--	--	--

(Continued)

3508B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6PN1-UP (Continued)						
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
7AF1-UP						
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
BAG1-UP, S2D1-UP, S2E1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
BGX1-UP, CNB1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
BGZ1-UP						
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
BPX1-142						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
BPX143-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
C8R1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LPD1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Engine Oil	1	239-8031	239-8031	--	--	--
Engine Oil	1	240-9913	240-9913	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
M8A1-UP, M8B1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
PTJ1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
PTN1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
S2A1-UP						
Air - Panel	1	128-1113	128-1113	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
S2B1-UP						
Air - Panel	1	128-1113	128-1113	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
S2F1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

(Continued)

3508B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ZAD1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ZAD1-UP (Continued)						
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3512

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1KZ1-UP (Engine)					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
1LM1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
24Z1-990, 49Y1-455, 65Z1-592					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
24Z991-1633, 49Y456-UP, 65Z593-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
24Z1634-1966					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
24Z1634-1966 (Continued)					
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
24Z1967-UP					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
2WK1-UP, YAK1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
3MS1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3RS1-UP, 3WS1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

(Continued)

3512 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3YF1-UP					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	251-5885	251-5885	--	292-5862
Air Primary	1	9Y-3879	9Y-3879	--	--
Air Secondary	1	9Y-7663	9Y-7663	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
50Y1-488, 66Z1-153, 67Z1-501					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
50Y489-UP, 66Z154-UP, 67Z502-UP, 6PM1-UP, YAF1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
51Y1-474					
Engine Oil	1	6H-6095	6H-6095	--	--
Fuel	1	8N-3080	8N-3080	--	--
51Y475-492					
Engine Oil	1	6H-6095	6H-6095	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	8N-3080	8N-3080	--	--
51Y493-517					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	8N-3080	8N-3080	--	--
51Y518-540					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	8N-3080	8N-3080	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
51Y541-684, 51Y728-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Fuel	1	8N-3080	8N-3080	--	--
51Y685-727					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	8N-3080	8N-3080	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
51Y685-727 (Continued)					
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
6WW1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel	1	152-8845	152-8845	--	--
Fuel - FWS	1	152-8843	152-8843	--	--
CMJ1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
CPK1-UP					
Fuel Primary	2	134-6307	134-6307	--	--
CTE1-UP, ZAE1-UP (Engine)					
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
FDR1-UP					
Air - Cabinet Control	1	157-5240	157-5240	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
PTG1-UP					
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
PTH1-UP					
Air	2	4P-9478	4P-9478	--	--
Air	1	4P-8768	4P-8768	--	--
Air	2	4P-9479	4P-9479	--	--
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

(Continued)

3512 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
YAX1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3512B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1GZ1-UP, 8DF1-UP, CTB1-UP, CTH1-UP, T2L1-UP (Engine)						
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
1PW1-UP, 4TN1-UP, BRN1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
2AF1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
2EZ1-UP, 2GW1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
2RD1-UP, AAG1-UP, FFG18-UP, S2K1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3ZW1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
4AW1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
4DR1-UP						
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
Lube	1	134-5207	134-5207	--	--	--
5AW1-UP, YAH1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
6GW1-UP, FDE1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel	1	152-8845	152-8845	--	--	--
Fuel - FWS	1	152-8843	152-8843	--	--	--

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3512B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6WN1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel - Ethanol	1	121-9868	--	--	--	121-9868
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
7HM1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
8EM1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
8RM1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel - Ethanol	1	121-9868	--	--	--	121-9868
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BLF1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
BMS1-UP						
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
BRC1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
BRK1-UP, YAN1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
CMC1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Primary	1	226-2779	226-2779	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
FDA1-UP, PTE1-UP						
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
FFG1-17, S2J1-UP, S2L1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
NSC1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--

(Continued)

3512B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
NSC1-UP (Continued)						
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
PTF1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Engine Oil	1	6H-6095	6H-6095	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
PTM1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
PWG1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
S2G1-UP						
Air - Panel	1	128-1113	128-1113	--	--	--
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
S2H1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
S2M1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
S2M1-UP (Continued)						
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
S2N1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
YAJ1-UP						
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
YAM1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
YAY1-UP, YAZ1-1						
Air Primary	1	4P-0710	4P-0710	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
YAZ2-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
ZAH1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
ZAJ1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--

(Continued)

3512B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ZAJ1-UP (Continued)						
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3512C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
E3W1-UP, E3X1-UP, E3Y1-UP					
Air Primary	1	226-2779	226-2779	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
EBG1-UP (Engine)					
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
F2X1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	113-1578	113-1578	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Air Secondary	1	113-1579	113-1579	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
LLA1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
LLB1-UP, LLD1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
LLF1-UP, RMS1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MKH1-UP					
Air Primary	1	208-9065	208-9065	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
MLM1-UP					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
MRG1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	208-9065	208-9065	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
NJT1-UP					
Air Primary	1	113-1578	113-1578	--	--
Air Secondary	1	113-1579	113-1579	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
R1A1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	269-7041	269-7041	--	--
Air Primary	1	113-1578	113-1578	--	--
Air Primary	1	208-9065	208-9065	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Air Secondary	1	208-9066	208-9066	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
R3A1-UP					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484

(Continued)

3512C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
SBG1-UP					
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	226-2779	226-2779	--	--
Air Secondary	1	208-9066	208-9066	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
SLM1-UP, TTC1-UP, TTE1-UP, TTF1-UP, TTG1-UP					
Air Primary	1	208-9065	208-9065	--	--
Air Primary	1	226-2779	226-2779	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3516

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1LZ1-UP, CTD1-UP, DDH1-UP (Engine)					
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
25Z1-814					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	251-5885	251-5885	--	292-5862
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	9Y-7663	9Y-7663	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
25Z815-UP					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	251-5885	251-5885	--	292-5862
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	9Y-7663	9Y-7663	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
25Z815-UP (Continued)					
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
27Z1-634					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
27Z635-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
28Z1-601					
Engine Oil	1	6H-6095	6H-6095	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	8N-3080	8N-3080	--	--
28Z602-615					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	8N-3080	8N-3080	--	--

(Continued)

3516 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
28Z616-UP					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	8N-3080	8N-3080	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
29Z1-817, 72Z1-338					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
29Z818-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
3NS1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	113-1578	113-1578	--	--
Air Primary	1	251-5885	251-5885	--	292-5862
Air Secondary	1	9Y-7663	9Y-7663	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3SS1-UP, 3XS1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
4MJ1-51					
Air Primary	1	4P-0710	4P-0710	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	2	1R-0715	1R-0715	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
4MJ52-177					
Air Primary	1	4P-0710	4P-0710	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	2	1R-0715	1R-0715	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4MJ52-177 (Continued)					
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
4MJ178-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Fuel	2	1R-0715	1R-0715	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
4XF1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	251-5885	251-5885	--	292-5862
Air Primary	1	9Y-3879	9Y-3879	--	--
Air Secondary	1	9Y-7663	9Y-7663	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
5SJ1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	251-5885	251-5885	--	292-5862
Air Secondary	1	9Y-7663	9Y-7663	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
71Z1-291					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
71Z292-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

(Continued)

3516 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
72Z339-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
73Z1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Engine Oil	1	6H-6095	6H-6095	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
7KM1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	113-1578	113-1578	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
8TW1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Fuel	1	152-8845	152-8845	--	--
Fuel - FWS	1	152-8843	152-8843	--	--
9KF1-UP, ZAK1-UP					
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
CAL1-UP, CMD1-UP, GZR1-UP, GZX1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CNW1-UP					
Fuel Primary	2	134-6307	134-6307	--	--
PTD1-UP, RKT1-UP					
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
YAL1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
YAS1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--
ZAL1-UP					
Air - Panel	1	128-1112	128-1112	--	--
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	4P-0711	4P-0711	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3516B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

3516B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HZ1-UP (Engine)						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	226-2779	226-2779	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
1NW1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
2FW1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
2JW1-UP						
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Primary	1	226-2779	226-2779	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
2TD1-UP, CDE1-UP, S2S1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
3CW1-UP, 4BW1-UP						
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6HN1-UP						
Air	1	311-6687	311-6687	--	--	--
Air	1	311-6689	311-6689	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Primary	1	226-2779	226-2779	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel - Ethanol	1	121-9868	--	--	--	121-9868
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
6HZ1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
7RN1-UP						
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Primary	1	226-2779	226-2779	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel - Ethanol	1	121-9868	--	--	--	121-9868
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
8CN1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--

(Continued)

3516B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8CN1-UP (Continued)						
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
8KN1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
8NW1-UP, FDX1-UP						
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Primary	1	226-2779	226-2779	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel	1	152-8845	152-8845	--	--	--
Fuel - FWS	1	152-8843	152-8843	--	--	--
9AN1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
9WF1-UP, CTA1-UP, CTG1-UP, CTJ1-UP, DDJ1-UP, DDL1-UP, DDM1-UP						
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
B5G1-UP						
Air Primary	1	208-9065	208-9065	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
BCK1-UP						
Air Primary	1	113-1578	113-1578	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BLH1-UP						
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
BMB1-UP, GZY1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
BPJ1-UP						
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Primary	1	226-2779	226-2779	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
CAN1-UP						
Air Primary	1	113-1578	113-1578	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
CBN1-UP, S2W1-UP, ZAM1-UP						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
CPA1-UP, GZT1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
FDN1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Primary	1	226-2779	226-2779	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--

(Continued)

3516B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
FDN1-UP (Continued)						
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
GAR1-UP, YAT1-UP, YAW1-UP						
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
GZS1-UP, PBR1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
LEK1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
PTA1-UP, PTB1-UP						
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
PTC1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
S2P1-UP, S2R1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
S2T1-UP, S2X1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
S2Y1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
S2Z1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
TAK1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
Lube	1	134-5207	134-5207	--	--	--
YAP1-UP, YAR1-UP						
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
ZAN1-UP						
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--
ZAP1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	4P-0710	4P-0710	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--

(Continued)

3516B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ZAP1-UP (Continued)						
Air Primary	1	226-2779	226-2779	--	--	--
Air Secondary	1	4P-0711	4P-0711	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ZAR1-UP						
Air - Panel	1	128-1112	128-1112	--	--	--
Air Primary	1	113-1578	113-1578	--	--	--
Air Primary	1	208-9065	208-9065	--	--	--
Air Primary	1	226-2779	226-2779	--	--	--
Air Secondary	1	208-9066	208-9066	--	--	--
Air Secondary	1	113-1579	113-1579	--	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic - Cartridge	1	1R-0726	1R-0726	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3606

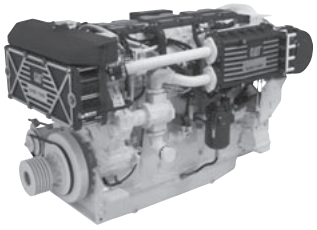
Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
8RB1-UP				
Air	2	105-9742	105-9742	--
Air	1	128-3919	128-3919	--
Air	1	128-1180	128-1180	--
Air - Cabinet Control	1	157-5240	157-5240	--
Air Primary	1	105-9741	105-9741	--

Description	Qty.	Part Number	STND	ADV[1]
8RB1-UP (Continued)				
Engine Oil	6	179-1502	179-1502	249-2340
Fuel	4	119-8901	119-8901	--
Fuel	2	4W-2609	4W-2609	--
Fuel	2	7E-4480	7E-4480	--
Fuel	8	1W-4056	1W-4056	--
Fuel	8	1R-0725	1R-0725	--
Fuel - ADV	4	1R-0766	--	1R-0766

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2} {3}
Cat DEAC	3,000 Service Hours or Three Years {3} {4}
Cat ELI	12,000 Service Hours or Six Years {2} {3}
Cat SCA	3,000 Service Hours or Two Years {3} {4}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	
{4} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and Level 1 sampling every 500 hours.	

Lubricants

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	50	-40	104
Cat DEO {1}	SAE 40	5	50	41	122
{1} For 3600 series engines					

Grease

Cat Recommended Grease	
Grease Type	**Part Number**
High Speed Ball Bearing	2S-3230

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

C0.5

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
C5M1-UP			
Engine Oil	1	266-7143	266-7143
Fuel	1	288-6572	288-6572
Fuel	1	150-4142	150-4142
C6F1-UP			
Engine Oil	1	266-7143	266-7143
Fuel	1	276-1806	276-1806

Description	Qty.	Part Number	STND
C6H1-UP			
Engine Oil	1	266-7143	266-7143
Fuel	1	276-1806	276-1806
Fuel	1	150-4142	150-4142

C0.7

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
C7H1-UP, C7J1-UP			
Engine Oil	1	266-7143	266-7143
Fuel	1	288-6572	288-6572
C7M1-UP			
Engine Oil	1	266-7143	266-7143
Fuel	1	183-4322	183-4322

C1.1

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
C3M1-UP, G8M1-UP			
Air	1	246-5011	246-5011
Engine Oil	1	220-1523	220-1523
Fuel	1	296-0888	296-0888
Fuel	1	276-1806	276-1806
Fuel	1	150-4142	150-4142
Fuel	1	183-5446	183-5446
Fuel	1	183-4322	183-4322

Description	Qty.	Part Number	STND
C3M1-UP, G8M1-UP (Continued)			
Fuel	1	033-7854	033-7854
C6L1-UP, C7Y1-UP, G8N1-UP			
Air	1	246-5011	246-5011
Engine Oil	1	220-1523	220-1523
Fuel	1	276-1806	276-1806
Fuel	1	033-7854	033-7854

C1.6

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
C1M1-UP			
Engine Oil	1	290-8029	290-8029
Fuel	1	276-1806	276-1806
Fuel	1	183-4322	183-4322
Fuel	1	033-7854	033-7854

Description	Qty.	Part Number	STND
C6J1-UP			
Engine Oil	1	220-1523	220-1523
Fuel	1	033-7854	033-7854
C6K1-UP			
Engine Oil	1	220-1523	220-1523
Fuel	1	276-1806	276-1806
Fuel	1	033-7854	033-7854

C18

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

C18 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DCT1-121						
Air Primary	1	290-1935	290-1935	--	--	--
Air Secondary	1	290-1936	290-1936	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
DCT122-UP						
Air Primary	1	290-1935	290-1935	--	--	--
Air Secondary	1	290-1936	290-1936	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
DES1-UP						
Air Primary	1	177-7375	177-7375	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
EJG1-UP						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
JDA1-UP						
Coolant	1	9N-3367	9N-3367	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
NBB1-UP						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
PRL1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
STH1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
WJH1-UP						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary	1	8N-2556	8N-2556	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Coolant	1	9N-3366	9N-3366	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
ZKB1-UP						
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C-9

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CLJ1-UP (Engine)					
Air Primary - UHE	1	132-7167	--	--	132-7167
Air Secondary	1	6I-2510	6I-2510	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CLJ1-UP (Engine) (Continued)					
Fuel - ADV	1	1R-0764	1R-0764	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

(Continued)

C-9 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CLJ1-UP (Engine) (Continued)					
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CPT372

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
1WZ1-407, 5DZ1-220, CRJ1-UP				
Coolant	1	9N-6123	9N-6123	--
Coolant	1	9N-3717	9N-3717	--
Coolant	1	9N-3718	9N-3718	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749

Description	Qty.	Part Number	STND	ADV[1]
1WZ408-UP				
Air	1	213-4466	213-4466	--
Coolant	1	9N-3718	9N-3718	--
Coolant	1	9N-6123	9N-6123	--
Coolant	1	9N-3717	9N-3717	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749
Hydraulic	1	212-4275	212-4275	--
Hydraulic	2	212-4228	212-4228	--
Hydraulic	1	212-9587	212-9587	--
Hydraulic	1	142-9857	142-9857	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3304

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1RG1-UP					
Air	1	4M-8047	4M-8047	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
37Y1-481					
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	102-9388	102-9388	--	--
Air Primary	1	102-9387	102-9387	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	4P-4719	4P-4719	--	--
37Y482-1018					
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	102-9388	102-9388	--	--
Air Primary	1	102-9387	102-9387	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
37Y482-1018 (Continued)					
Air Primary	1	4L-9852	4L-9852	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4719	4P-4719	--	--
37Y1019-UP					
Air Primary	1	4L-9851	4L-9851	--	--
Air Primary	1	102-9388	102-9388	--	--
Air Primary	1	102-9387	102-9387	--	--
Air Primary	1	4L-9852	4L-9852	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	4P-4719	4P-4719	--	--

(Continued)

G3304 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
H4D1-UP					
Air Primary	1	102-9387	102-9387	--	--
Air Primary	1	102-9388	102-9388	--	--
Air Primary	1	7W-5495	7W-5495	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
N4F1-UP					
Air Primary	1	102-9387	102-9387	--	--
Air Primary	1	102-9388	102-9388	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel	1	4P-4719	4P-4719	--	--
Gas	1	322-4981	322-4981	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3304B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
A4E1-UP					
Air Primary	1	102-9387	102-9387	--	--
Air Primary	1	102-9388	102-9388	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
S4E1-UP					
Air Primary	1	102-9387	102-9387	--	--
Air Primary	1	102-9388	102-9388	--	--
Air Primary	1	7W-5495	7W-5495	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
S4E1-UP (Continued)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3306B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
R6S1-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Gas	1	322-4981	322-4981	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
S6E1-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3408

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

G3408 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6NB1-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil	14	4P-3631	4P-3631	--	--
Fuel	1	4P-4719	4P-4719	--	--
Gas	1	322-4981	322-4981	--	--
Gas	1	322-4984	322-4984	--	--
Hydraulic	1	108-7980	108-7980	--	--
6RJ1-34					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6RJ1-34 (Continued)					
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	14	4P-3631	4P-3631	--	--
Fuel	1	4P-4719	4P-4719	--	--
Gas	1	322-4981	322-4981	--	--
6RJ35-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil	14	4P-3631	4P-3631	--	--
Fuel	1	4P-4719	4P-4719	--	--
Gas	1	322-4981	322-4981	--	--
CNZ1-UP					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3508

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
2JF1-UP				
Air Primary	1	7W-5313	7W-5313	--
Air Primary	1	8N-6309	8N-6309	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	132-7166
Air Secondary	1	8N-2556	8N-2556	--
Air Secondary	1	6N-6444	6N-6444	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--
Engine Oil	1	118-8419	118-8419	--
Engine Oil	1	117-9550	117-9550	--
Engine Oil	14	4P-3631	4P-3631	--
Fuel	1	4P-4719	4P-4719	--
Fuel	1	4P-4720	4P-4720	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--

Description	Qty.	Part Number	STND	UHE[1]
2TJ1-UP				
Air - Panel	1	128-1113	128-1113	--
Air Primary	1	8N-6309	8N-6309	185-8786
Engine Oil	1	6H-6095	6H-6095	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
4WD1-UP				
Air Primary	1	7W-5313	7W-5313	--
Air Primary	1	8N-6309	8N-6309	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	132-7166
Air Secondary	1	8N-2556	8N-2556	--
Air Secondary	1	6N-6444	6N-6444	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--
Engine Oil	1	117-9550	117-9550	--
Engine Oil	14	4P-3631	4P-3631	--
Fuel	1	4P-4719	4P-4719	--
Gas	1	322-4981	322-4981	--

(Continued)

G3508 (Continued)

Description	Qty.	Part Number	STND	UHE[1]
4WD1-UP (Continued)				
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
9AW1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
Engine Oil	1	148-6399	148-6399	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
9TG1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
Air Secondary	1	8N-2556	8N-2556	--
Fuel	1	4P-4719	4P-4719	--
Gas	1	322-4981	322-4981	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
CPJ1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
Air Secondary	1	8N-2556	8N-2556	--
Fuel	1	4P-4720	4P-4720	--
Fuel Primary	2	134-6307	134-6307	--
Gas	1	322-4985	322-4985	--
Gas	1	322-4984	322-4984	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
CPS1-UP				
Air - Panel	1	128-1113	128-1113	--
Air Primary	1	8N-6309	8N-6309	185-8786
Gas	1	322-4985	322-4985	--
Gas	1	322-4984	322-4984	--
CPY1-UP				
Air Primary	1	7W-5313	7W-5313	--
Air Primary	1	8N-6309	8N-6309	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	132-7166
Air Secondary	1	8N-2556	8N-2556	--
Air Secondary	1	6N-6444	6N-6444	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--
Engine Oil	1	117-9550	117-9550	--
Engine Oil	14	4P-3631	4P-3631	--

Description	Qty.	Part Number	STND	UHE[1]
CPY1-UP (Continued)				
Fuel	1	4P-4720	4P-4720	--
Fuel Primary	2	134-6307	134-6307	--
Gas	1	322-4985	322-4985	--
Gas	1	322-4984	322-4984	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
CTN1-UP (Engine)				
Engine Oil	1	6H-6095	6H-6095	--
Fuel Primary	2	134-6307	134-6307	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
DLR1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	132-7166
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--
Engine Oil	1	117-9550	117-9550	--
Engine Oil	14	4P-3631	4P-3631	--
Fuel	1	4P-4719	4P-4719	--
Gas	1	322-4981	322-4981	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
WPM1-UP, WPN1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	132-7166
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--
Fuel	1	4P-4719	4P-4719	--
Gas	1	322-4981	322-4981	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3508B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

G3508B (Continued)

Description	Qty.	Part Number	STND
RBK1-UP			
Air Primary	1	226-2779	226-2779
Gas	1	322-4981	322-4981
Hydraulic - Cartridge	3	1R-0726	1R-0726

G3512

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
4KC1-UP				
Air Primary	1	7W-5313	7W-5313	--
Air Primary	1	8N-6309	8N-6309	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	132-7166
Air Secondary	1	8N-2556	8N-2556	--
Air Secondary	1	6N-6444	6N-6444	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--
Engine Oil	1	118-8419	118-8419	--
Engine Oil	14	4P-3631	4P-3631	--
Engine Oil	1	6H-6095	6H-6095	--
Fuel	1	4P-4719	4P-4719	--
Fuel	1	4P-4720	4P-4720	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
5JD1-UP				
Air Primary	1	7W-5313	7W-5313	--
Air Primary	1	8N-6309	8N-6309	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	132-7166
Air Secondary	1	8N-2556	8N-2556	--
Air Secondary	1	6N-6444	6N-6444	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--
Engine Oil	1	118-8419	118-8419	--
Engine Oil	14	4P-3631	4P-3631	--
Fuel	1	4P-4720	4P-4720	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
6JW1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
Engine Oil	1	148-6399	148-6399	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
7NJ1-77				
Air Primary	1	8N-6309	8N-6309	185-8786
Air Secondary	1	8N-2556	8N-2556	--
Engine Oil	1	6H-6095	6H-6095	--
Fuel	1	4P-4720	4P-4720	--

Description	Qty.	Part Number	STND	UHE[1]
7NJ1-77 (Continued)				
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
7NJ78-791				
Air	1	2W-4246	2W-4246	--
Air Primary	1	8N-6309	8N-6309	185-8786
Air Secondary	1	8N-2556	8N-2556	--
Engine Oil	1	6H-6095	6H-6095	--
Fuel	1	4P-4720	4P-4720	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
7NJ792-UP				
Air	1	2W-4246	2W-4246	--
Air Primary	1	8N-6309	8N-6309	185-8786
Air Secondary	1	8N-2556	8N-2556	--
Fuel	1	4P-4720	4P-4720	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
9FP1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
CRN1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
Air Secondary	1	8N-2556	8N-2556	--
Fuel	1	4P-4720	4P-4720	--
Fuel Primary	2	134-6307	134-6307	--
Gas	1	322-4985	322-4985	--
Gas	1	322-4984	322-4984	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
CSP1-UP				
Air Primary	1	7W-5313	7W-5313	--
Air Primary	1	8N-6309	8N-6309	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	132-7166
Air Secondary	1	8N-2556	8N-2556	--
Air Secondary	1	6N-6444	6N-6444	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--
Engine Oil	1	118-8419	118-8419	--

(Continued)

G3512 (Continued)

Description	Qty.	Part Number	STND	UHE[1]
CSP1-UP (Continued)				
Engine Oil	14	4P-3631	4P-3631	--
Fuel	1	4P-4720	4P-4720	--
Fuel Primary	2	134-6307	134-6307	--
Gas	1	322-4985	322-4985	--
Gas	1	322-4984	322-4984	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
CTM1-UP (Engine)				
Air	1	2W-4246	2W-4246	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--

Description	Qty.	Part Number	STND	UHE[1]
GNS1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
Air Primary- Radial Seal	1	6I-2507	6I-2507	132-7166
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--
Engine Oil	1	118-8419	118-8419	--
Engine Oil	14	4P-3631	4P-3631	--
Fuel	1	4P-4720	4P-4720	--
Gas	1	322-4984	322-4984	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
WPP1-UP, WPR1-UP				
Air Primary	1	8N-6309	8N-6309	185-8786
Fuel	1	4P-4720	4P-4720	--
Gas	1	322-4984	322-4984	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3512B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
JHH1-UP			
Air Primary	1	280-4180	280-4180
Gas	1	322-4984	322-4984
Hydraulic - Cartridge	3	1R-0726	1R-0726

G3606

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3XF1-UP						
Air	2	105-9742	105-9742	--	--	--
Air	1	128-1180	128-1180	--	--	--
Air	1	2W-4246	2W-4246	--	--	--
Air - Cabinet Control	1	157-5240	157-5240	--	--	--
Air Primary	2	105-9741	105-9741	--	--	--
Engine Oil	6	179-1502	179-1502	249-2340	--	--
Fuel	1	4P-2222	4P-2222	--	--	--
Fuel	1	4P-4720	4P-4720	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4ZS1-UP						
Air	2	105-9742	105-9742	--	--	--
Air	1	2W-4246	2W-4246	--	--	--
Air Primary	2	105-9741	105-9741	--	--	--
Engine Oil	6	179-1502	179-1502	249-2340	--	--
Fuel	1	4P-4720	4P-4720	--	--	--
Fuel	1	4P-2222	4P-2222	--	--	--
Gas	1	322-4985	322-4985	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3608

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4WF1-UP						
Air	2	105-9742	105-9742	--	--	--
Air	1	128-1180	128-1180	--	--	--
Air	1	2W-4246	2W-4246	--	--	--
Air - Cabinet Control	1	157-5240	157-5240	--	--	--
Air Primary	2	105-9741	105-9741	--	--	--
Engine Oil	6	179-1502	179-1502	249-2340	--	--
Fuel	1	4P-4721	4P-4721	--	--	--
Fuel	1	4P-2222	4P-2222	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4WF1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
BEN1-UP						
Air Primary	2	105-9741	105-9741	--	--	--
Engine Oil	6	179-1502	179-1502	249-2340	--	--
Fuel	1	4P-4721	4P-4721	--	--	--
Fuel	1	4P-2222	4P-2222	--	--	--
Gas	1	322-4985	322-4985	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3612

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1YG1-UP						
Air	2	105-9742	105-9742	--	--	--
Air	1	128-3919	128-3919	--	--	--
Air	1	128-1180	128-1180	--	--	--
Air	1	2W-4246	2W-4246	--	--	--
Air - Cabinet Control	1	157-5240	157-5240	--	--	--
Air Primary	2	105-9741	105-9741	--	--	--
Engine Oil	6	179-1502	179-1502	249-2340	--	--
Fuel	1	4P-4721	4P-4721	--	--	--
Fuel	1	4P-2222	4P-2222	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1YG1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
BKE1-UP						
Air Primary	2	105-9741	105-9741	--	--	--
Engine Oil	6	179-1502	179-1502	249-2340	--	--
Fuel	1	4P-4721	4P-4721	--	--	--
Fuel	1	4P-2222	4P-2222	--	--	--
Gas	1	322-4985	322-4985	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G3616

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4CG1-UP						
Air	2	105-9742	105-9742	--	--	--
Air	1	128-3919	128-3919	--	--	--
Air	1	128-1180	128-1180	--	--	--
Air	1	2W-4246	2W-4246	--	--	--
Air - Cabinet Control	1	157-5240	157-5240	--	--	--
Air Primary	2	105-9741	105-9741	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4CG1-UP (Continued)						
Engine Oil	6	179-1502	179-1502	249-2340	--	--
Fuel	1	4P-4721	4P-4721	--	--	--
Fuel	1	4P-2222	4P-2222	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

(Continued)

G3616 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BLB1-UP						
Air	1	2W-4246	2W-4246	--	--	--
Air Primary	2	105-9741	105-9741	--	--	--
Engine Oil	6	179-1502	179-1502	249-2340	--	--
Fuel	1	4P-4721	4P-4721	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BLB1-UP (Continued)						
Fuel	1	4P-2222	4P-2222	--	--	--
Gas	1	322-4985	322-4985	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

HT400

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7141-UP					
Air Primary	1	4N-0015	4N-0015	--	--
D2E1-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SBF214

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CPN1-UP (Engine)					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CSB1-UP					
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SCT673

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

SCT673 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2SZ212-UP, 5LJ1-UP (Engine)					
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Coolant	1	9N-6123	9N-6123	--	--
4TZ1-215					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3367	9N-3367	--	--
4TZ216-420					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil	1	205-4599	205-4599	--	--
Fuel	1	119-0073	119-0073	--	--
Fuel - FWS	1	111-0716	111-0716	--	--
Hydraulic	1	207-6894	207-6894	--	--
Hydraulic	1	145-5452	145-5452	--	--
Hydraulic	1	204-8008	204-8008	--	--
Hydraulic - Cartridge	1	159-8433	159-8433	--	--
4TZ421-421					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3367	9N-3367	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4TZ421-421 (Continued)					
Engine Oil	1	205-4599	205-4599	--	--
Fuel	1	119-0073	119-0073	--	--
Fuel - FWS	1	111-0716	111-0716	--	--
Hydraulic	1	214-6385	214-6385	--	--
Hydraulic	1	207-6894	207-6894	--	--
Hydraulic	1	145-5452	145-5452	--	--
Hydraulic	1	204-8008	204-8008	--	--
Hydraulic - Cartridge	1	159-8433	159-8433	--	--
4TZ422-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil	1	205-4599	205-4599	--	--
Fuel	1	119-0073	119-0073	--	--
Fuel - FWS	1	111-0716	111-0716	--	--
Hydraulic	1	214-6385	214-6385	--	--
Hydraulic	1	207-6894	207-6894	--	--
Hydraulic	1	145-5452	145-5452	--	--
Hydraulic	1	204-8008	204-8008	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SPF343

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KD1-UP (Engine)						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
6RZ1-UP						
Air	1	177-2059	177-2059	--	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic	--	214-6385	214-6385	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6RZ1-UP (Continued)						
Hydraulic	2	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	145-5452	145-5452	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SPF343C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KJS1-UP (Transmission)						
Engine Oil	1	338-3540	338-3540	--	--	--
Transmission	1	244-0395	244-0395	--	--	--
Transmission	1	244-0393	244-0393	--	--	--
Transmission - ADV	1	328-3655	--	328-3655	--	--
R2A1-UP (Engine)						
Air Primary	1	208-9065	208-9065	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	145-5452	145-5452	--	--	--
RTX1-213						
Air	1	177-2059	177-2059	--	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic	2	9T-0973	--	9T-0973	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RTX1-213 (Continued)						
Hydraulic	1	145-5452	145-5452	--	--	--
Transmission	1	244-0395	244-0395	--	--	--
Transmission	1	244-0393	244-0393	--	--	--
RTX214-UP						
Air	1	177-2059	177-2059	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic	2	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	145-5452	145-5452	--	--	--
Transmission	1	244-0395	244-0395	--	--	--
Transmission	1	244-0393	244-0393	--	--	--
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SPP101

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7151-UP					
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--
NME1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SPS342

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

SPS342 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2LZ1-218					
Air	1	177-2059	177-2059	--	--
Air	1	161-0469	161-0469	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Hydraulic	1	145-5452	145-5452	--	--
2LZ219-UP					
Air	1	177-2059	177-2059	--	--
Air	1	161-0469	161-0469	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Fuel Primary	2	134-6307	134-6307	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2LZ219-UP (Continued)					
Hydraulic	1	145-5452	145-5452	--	--
2SZ1-UP, 5LJ1-UP (Engine)					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SPS343

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3KD1-UP (Engine)					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
8ZZ1-UP					
Air	1	177-2059	177-2059	--	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic	--	214-6385	214-6385	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8ZZ1-UP (Continued)					
Hydraulic	1	145-5452	145-5452	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SPT342

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2SZ212-UP, 5LJ1-UP (Engine)					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3CZ417-UP					
Air	1	177-2059	177-2059	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Fuel - FWS	1	111-0716	111-0716	--	--
Hydraulic	1	145-5452	145-5452	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SPT343

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KD1-UP, 7XZ1-UP (Engine)						
Air Primary	1	8N-6309	8N-6309	--	185-8786	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
5XZ1018-UP						
Air	1	177-2059	177-2059	--	--	--
Fuel Primary	2	134-6307	134-6307	--	--	--
Hydraulic	--	214-6385	214-6385	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XZ1018-UP (Continued)						
Hydraulic	2	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	145-5452	145-5452	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SUF557

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CPN1-UP (Engine)					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
LTF1-UP					
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3003

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
3ZG1-UP			
Air	1	197-8561	197-8561
Engine Oil	1	220-1523	220-1523
Engine Oil	1	150-4140	150-4140
Fuel	1	276-1806	276-1806
Fuel	1	150-4142	150-4142
Fuel	1	183-4322	183-4322
Fuel	1	033-7854	033-7854

Description	Qty.	Part Number	STND
G5P1-UP			
Air	1	197-8561	197-8561
Engine Oil	1	220-1523	220-1523
Fuel	1	276-1806	276-1806
Fuel	1	150-4142	150-4142
Fuel	1	183-4322	183-4322
Fuel	1	033-7854	033-7854

3011C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
3111-UP, G1P1-UP			
Air	1	246-5011	246-5011
Engine Oil	1	220-1523	220-1523
Engine Oil - Cartridge	1	1R-1801	1R-1801
Fuel	1	296-0888	296-0888

Description	Qty.	Part Number	STND
3111-UP, G1P1-UP (Continued)			
Fuel	1	150-4142	150-4142
Fuel	1	276-1806	276-1806
Fuel	1	183-5446	183-5446
Fuel	1	033-7854	033-7854
Fuel - FWS	1	1R-1804	1R-1804

3013

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
4XD1-UP, G6P1-UP			
Air	1	197-8561	197-8561
Engine Oil	1	220-1523	220-1523
Engine Oil	1	150-4140	150-4140

Description	Qty.	Part Number	STND
4XD1-UP, G6P1-UP (Continued)			
Fuel	1	276-1806	276-1806
Fuel	1	150-4142	150-4142
Fuel	1	183-4322	183-4322
Fuel	1	033-7854	033-7854

3013C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
3131-599, G3P1-UP			
Air	1	246-5011	246-5011
Air	1	197-8561	197-8561
Engine Oil	1	220-1523	220-1523
Fuel	1	276-1806	276-1806
Fuel	1	183-5446	183-5446
Fuel	1	150-4142	150-4142
Fuel	1	033-7854	033-7854

Description	Qty.	Part Number	STND
313600-UP			
Air	1	246-5011	246-5011
Engine Oil	1	220-1523	220-1523
Fuel	1	276-1806	276-1806
Fuel	1	150-4142	150-4142
Fuel	1	183-5446	183-5446
Fuel	1	033-7854	033-7854

3014

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
4GF1-361			
Air	1	197-8561	197-8561
Air Primary	1	198-5314	198-5314
Engine Oil	1	220-1523	220-1523
Engine Oil	1	150-4140	150-4140
Fuel	1	276-1806	276-1806
Fuel	1	150-4142	150-4142
Fuel	1	183-4322	183-4322

Description	Qty.	Part Number	STND
4GF362-UP			
Air	1	197-8561	197-8561
Air Primary	1	198-5314	198-5314
Engine Oil	1	220-1523	220-1523
Engine Oil	1	150-4140	150-4140
Fuel	1	150-4142	150-4142
Fuel	1	183-4322	183-4322
Fuel	1	276-1806	276-1806
Fuel	1	033-7854	033-7854

3024

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
4RF1-UP, G2P1-UP			
Air Primary	1	198-5314	198-5314
Engine Oil	1	220-1523	220-1523
Engine Oil	1	150-4140	150-4140
Fuel	1	150-4142	150-4142

Description	Qty.	Part Number	STND
4RF1-UP, G2P1-UP (Continued)			
Fuel	1	183-4322	183-4322
Fuel	1	276-1806	276-1806
Fuel	1	183-5446	183-5446
Fuel	1	033-7854	033-7854

3024C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
4241-UP, G4P1-UP			
Air	1	247-1380	247-1380
Air Primary	1	198-5314	198-5314
Engine Oil	1	220-1523	220-1523
Fuel	1	150-4142	150-4142

Description	Qty.	Part Number	STND
4241-UP, G4P1-UP (Continued)			
Fuel	1	183-4322	183-4322
Fuel	1	276-1806	276-1806
Fuel	1	183-5446	183-5446
Fuel	1	033-7854	033-7854

3044C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
3441-UP			
Engine Oil	1	1R-0734	1R-0734
Fuel - FWS	1	233-9856	233-9856

3054B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
5MF1-UP			
Air Primary	1	123-2367	123-2367
Air Primary	1	233-5182	233-5182
Air Primary	1	110-6326	110-6326
Air Secondary	1	233-5184	233-5184
Air Secondary	1	110-6331	110-6331

Description	Qty.	Part Number	STND
5MF1-UP (Continued)			
Air Secondary	1	123-2368	123-2368
Engine Oil	1	7W-2326	7W-2326
Engine Oil	1	150-4140	150-4140
Fuel	1	147-6543	147-6543
Fuel - FWS	1	138-3100	138-3100
Fuel - FWS	1	117-4089	117-4089

3054C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

3054C (Continued)

Description	Qty.	Part Number	STND
3341-UP			
Air Primary	1	123-2367	123-2367
Air Primary	1	233-5182	233-5182
Air Primary	1	110-6326	110-6326
Air Primary	1	212-4478	212-4478
Air Secondary	1	233-5184	233-5184
Air Secondary	1	110-6331	110-6331
Air Secondary	1	212-4477	212-4477

Description	Qty.	Part Number	STND
3341-UP (Continued)			
Air Secondary	1	123-2368	123-2368
Engine Oil	1	7W-2326	7W-2326
Engine Oil - Cartridge	1	1R-1801	1R-1801
Fuel - FWS	1	252-6338	252-6338
Fuel - FWS	1	138-3100	138-3100
Fuel - FWS	1	1R-1804	1R-1804

3054E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
3041-UP			
Air Primary	1	233-5182	233-5182
Air Primary	1	110-6326	110-6326
Air Secondary	1	110-6331	110-6331
Air Secondary	1	233-5184	233-5184
Engine Oil	1	7W-2326	7W-2326

Description	Qty.	Part Number	STND
3041-UP (Continued)			
Engine Oil - Cartridge	1	1R-1801	1R-1801
Fuel - FWS	1	252-6338	252-6338
Fuel - FWS	1	138-3100	138-3100
Fuel - FWS	1	1R-1804	1R-1804

3056E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3561-UP					
Air	1	233-5183	233-5183	--	--
Air	1	233-5185	233-5185	--	--
Engine Oil	1	7W-2326	7W-2326	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3561-UP (Continued)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	272-5766	272-5766	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--
Fuel - FWS	1	138-3100	138-3100	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3126

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1BW1-UP, 1WM1-UP, 7LZ1-UP, 8HW1-UP					
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
1ZJ1-UP, 6MK1-UP					
Air	1	128-3697	128-3697	--	--
Air	1	133-2217	133-2217	--	--
Air	1	4P-7918	4P-7918	--	--
Engine Oil	1	116-9924	116-9924	--	--
Fuel	1	6I-4783	6I-4783	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1ZJ1-UP, 6MK1-UP (Continued)					
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
3SM490-UP, 7TZ2100-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--

(Continued)

3126 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3TR1-201					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
3TR202-241					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
3TR242-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
4ES1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
4EZ1-UP, NSW1-UP					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	116-9924	116-9924	--	--
Fuel	1	6I-4783	6I-4783	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
55K3111-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	151-2409	151-2409	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
6MS1-365					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	6I-4783	6I-4783	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6MS366-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--
Engine Oil	1	1W-8845	1W-8845	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	6I-4783	6I-4783	--	--
Fuel - FWS	1	151-2409	151-2409	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
6SR1-UP					
Air	1	128-3697	128-3697	--	--
Air	1	122-4216	122-4216	--	--
Air	1	133-2217	133-2217	--	--
Engine Oil	1	116-9924	116-9924	--	--
Fuel	1	6I-4783	6I-4783	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
8NM1-1064					
Air	1	128-3697	128-3697	--	--
Air	1	122-4216	122-4216	--	--
Air	1	133-2217	133-2217	--	--
Air	1	4P-7918	4P-7918	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	116-9924	116-9924	--	--
Fuel	1	6I-4783	6I-4783	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
8NM1065-4256					
Air	1	128-3697	128-3697	--	--
Air	1	122-4216	122-4216	--	--
Air	1	133-2217	133-2217	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	116-9924	116-9924	--	--
Fuel	1	6I-4783	6I-4783	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
8NM4257-UP					
Air	1	128-3697	128-3697	--	--
Air	1	122-4216	122-4216	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344

(Continued)

3126 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8NM4257-UP (Continued)					
Engine Oil	1	116-9924	116-9924	--	--
Fuel	1	6I-4783	6I-4783	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
9ZR1-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel	1	6I-4783	6I-4783	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
9ZR1-UP (Continued)					
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
CKK1-UP					
Air	1	133-2217	133-2217	--	--
Air	1	4P-7918	4P-7918	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	6I-4783	6I-4783	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Primary	1	146-6695	146-6695	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3126B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1AJ1-UP, 5GL1-UP					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
6PZ1-UP, 7AS599-UP, 7JZ1-UP					
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
7AS1-598					
Fuel	1	1R-0759	1R-0759	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
8SZ1-UP					
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
8YL1-UP, BKD1-UP					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
BDZ1-UP					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BEJ1-UP (Engine)					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
DCD1-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	133-5673	133-5673	--	--

(Continued)

3126B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DCD1-UP (Continued)					
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
DCS1-UP					
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary-Axial Seal	1	6I-0274	6I-0274	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DCS1-UP (Continued)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3176C, 3196

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2AW1-UP, 1DW1-UP					
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3367	9N-3367	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2AW1-UP, 1DW1-UP (Continued)					
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3204

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
2TB1-504				
Fuel Secondary - ADV	1	1R-0750	--	1R-0750
2TB505-UP, 3PC1-UP, 6DC1-471, 7EB1-UP				
Engine Oil	1	1R-0714	1R-0714	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3408B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

3408B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1LG1-UP, 2BG1-UP, 9TD1-UP					
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
28V1-3037					
Air	1	5L-1203	5L-1203	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
28V3038-3353					
Air	1	5L-1203	5L-1203	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
28V3354-4800					
Air	1	5L-1203	5L-1203	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
28V4801-UP					
Air	1	5L-1203	5L-1203	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
67U1-4867					
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	6N-6064	6N-6064	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
67U1-4867 (Continued)					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
67U4868-11802					
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	6N-6064	6N-6064	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
67U11803-UP					
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	6N-6064	6N-6064	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	6N-6072	6N-6072	--	--

(Continued)

3408B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
67U11803-UP (Continued)					
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
78Z1-1143					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
78Z1144-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	4N-0015	4N-0015	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
78Z1144-UP (Continued)					
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
8RG1-115, 8RG117-UP					
Air	1	4P-7918	4P-7918	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
8RG116-116					
Air	1	4P-7918	4P-7918	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
99U1-UP					
Air Primary	1	4N-0015	4N-0015	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic	1	9G-6420	9G-6420	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3408E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

3408E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7PR1-837					
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Secondary	1	6I-2510	6I-2510	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7PR838-UP					
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Secondary	1	6I-2510	6I-2510	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3412

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1EZ1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
2WJ1-UP					
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Secondary	1	6I-2510	6I-2510	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
38S1-13548					
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	246-5009	246-5009	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary	1	6N-6064	6N-6064	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
38S1-13548 (Continued)					
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	246-5010	246-5010	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Coolant	1	111-2371	111-2371	--	--
38S13549-16483					
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	246-5009	246-5009	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary	1	6N-6064	6N-6064	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	246-5010	246-5010	--	--
Air Secondary	1	6N-6072	6N-6072	--	--

(Continued)

3412 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
38S13549-16483 (Continued)					
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
38S16484-UP					
Air	1	133-2217	133-2217	--	--
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	6I-0384	6I-0384	--	--
Air Primary	1	246-5009	246-5009	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary	1	6N-6064	6N-6064	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	246-5010	246-5010	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3JK1-UP					
Air	1	133-2217	133-2217	--	--
Air Primary	1	6I-0384	6I-0384	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
60M1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary	1	4N-0015	4N-0015	--	--
Air Secondary	1	8N-2556	8N-2556	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
60M1-UP (Continued)					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
7BL1-UP					
Air	1	133-2217	133-2217	--	--
Air Primary	1	6I-0384	6I-0384	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
81Z1-UP					
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7C-1571	7C-1571	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Primary	1	4P-7384	4P-7384	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
9XF1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
BCS1-UP					
Air Primary	1	106-3969	106-3969	--	132-7168
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

(Continued)

3412 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BCS1-UP (Continued)					
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
BDT1-UP					
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	8N-2556	8N-2556	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BDT1-UP (Continued)					
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	129-0373	129-0373	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3412E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1EZ3925-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4CR1-UP					
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary	1	4N-0015	4N-0015	--	--
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	8N-2556	8N-2556	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
BDT1-4229					
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BDT1-4229 (Continued)					
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	129-0373	129-0373	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
BDT4230-UP					
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel - FWS	1	129-0373	129-0373	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

(Continued)

3412E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BFT1-UP					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	111-2371	111-2371	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Primary	1	129-0372	129-0372	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
TGC1-UP					
Air Primary - UHE	1	132-7167	--	--	132-7167
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	2	142-1404	142-1404	--	--
Z2D1-UP					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3508C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
C8E1-UP, C8K1-UP, LLE1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--	--
F1X1-UP					
Air Primary	1	4P-0710	4P-0710	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--
Air Secondary	1	4P-0711	4P-0711	--	--
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--	--
LLC1-UP					
Air - Panel	1	128-1113	128-1113	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Air Secondary	1	8N-2556	8N-2556	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
LLC1-UP (Continued)					
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--	--
M8C1-UP, M8D1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--	--
TTA1-UP, TTB1-UP					
Air Primary	1	8N-6309	8N-6309	--	185-8786
Fuel - ADV	5	1R-0756	--	1R-0756	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3516C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

3516C (Continued)

Description	Qty.	Part Number	STND	UHE[1]
E3Z1-UP				
Air Primary	1	226-2779	226-2779	--
Fuel - ADV	5	1R-0756	--	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
JTS1-UP				
Air Primary	1	208-9065	208-9065	--
Air Primary	1	226-2779	226-2779	--
Fuel - ADV	5	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
PAF1-UP				
Air Primary	1	208-9065	208-9065	--
Fuel - ADV	5	1R-0756	--	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
PAG1-UP				
Air Primary	1	4P-0710	4P-0710	--
Air Primary	1	208-9065	208-9065	--
Fuel - ADV	5	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
PES1-UP				
Air - Panel	1	128-1112	128-1112	--
Air Primary	1	4P-0710	4P-0710	--
Air Primary	1	8N-6309	8N-6309	185-8786
Air Secondary	1	8N-2556	8N-2556	--
Fuel - ADV	5	1R-0756	--	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
PRC1-UP				
Fuel - ADV	5	1R-0756	--	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
SBF1-UP				
Air - Panel	1	128-1112	128-1112	--
Air Primary	1	269-7041	269-7041	--
SBJ1-UP				
Air	1	128-3919	128-3919	--
Air Primary	1	113-1578	113-1578	--
Air Primary	1	208-9065	208-9065	--
Air Secondary	1	208-9066	208-9066	--

Description	Qty.	Part Number	STND	UHE[1]
SBJ1-UP (Continued)				
Air Secondary	1	113-1579	113-1579	--
Fuel - ADV	5	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
SBM1-UP				
Air - Panel	1	128-1112	128-1112	--
Air Primary	1	208-9065	208-9065	--
Air Secondary	1	208-9066	208-9066	--
Fuel - ADV	5	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
SDX1-UP				
Fuel - ADV	5	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
T2X1-UP				
Air Primary	1	113-1578	113-1578	--
Air Secondary	1	113-1579	113-1579	--
Fuel - ADV	5	1R-0756	--	--
Fuel Primary	2	134-6307	134-6307	--
Fuel Primary	1	4P-7384	4P-7384	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--
TTD1-UP, TTH1-UP, TTJ1-UP				
Air Primary	1	208-9065	208-9065	--
Air Primary	1	226-2779	226-2779	--
Fuel - ADV	5	1R-0756	--	--
Hydraulic - Cartridge	3	1R-0726	1R-0726	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3616

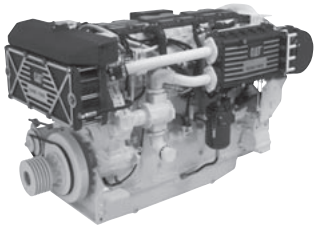
Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
1FN1-UP				
Air	1	128-1180	128-1180	--
Air - Cabinet Control	1	157-5240	157-5240	--
Engine Oil	6	179-1502	179-1502	249-2340
Fuel	2	4W-2609	4W-2609	--
Fuel - ADV	8	1R-0766	--	1R-0766
1PD1-UP				
Air	2	105-9742	105-9742	--
Air	1	128-3919	128-3919	--
Air	1	128-1180	128-1180	--
Air - Cabinet Control	1	157-5240	157-5240	--
Air Primary	2	105-9741	105-9741	--
Engine Oil	6	179-1502	179-1502	249-2340

Description	Qty.	Part Number	STND	ADV[1]
1PD1-UP (Continued)				
Fuel	4	119-8901	119-8901	--
Fuel	4	7E-4480	7E-4480	--
Fuel	2	4W-2609	4W-2609	--
Fuel - ADV	8	1R-0766	--	1R-0766
RMN1-UP				
Engine Oil	6	179-1502	179-1502	249-2340
Engine Oil	1	163-4200	163-4200	--
Fuel - ADV	8	1R-0766	--	1R-0766
ZYD1-UP				
Engine Oil	6	179-1502	179-1502	249-2340
Fuel - ADV	8	1R-0766	--	1R-0766
Fuel Primary	2	134-6307	134-6307	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2} {3}
Cat DEAC	3,000 Service Hours or Three Years {3} {4}
Cat ELI	12,000 Service Hours or Six Years {2} {3} {5}
Cat SCA	3,000 Service Hours or Two Years {3} {4}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	
{4} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and Level 1 sampling every 500 hours.	
{5} Not for use with C7-C32 heat exchange cooled marine engines.	

Lubricants

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
SAEO {1}	30 {2}	-9.5	50	15	122
SAEO {1}	40 {2}	-18	40	0	104
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104
Cat DEO {3}	SAE 40	5	50	41	122
{1} For use in 3116 and 3126 Marine Diesel Engines with mechanical unit injection and a closed crankcase ventilation system.					
{2} For complete application information, see the Operations & Maintenance Manual for your engine.					
{3} For 3600 Series Engines					

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

C1.5

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

C1.5 (Continued)

Description	Qty.	Part Number	STND
C5N1-UP, G7N1-UP			
Air	1	246-5011	246-5011
Engine Oil	1	220-1523	220-1523
Fuel	1	276-1806	276-1806
Fuel	1	150-4142	150-4142
Fuel	1	183-4322	183-4322
Fuel	1	033-7854	033-7854
C6N1-UP, C8W1-UP			
Air	1	246-5011	246-5011
Engine Oil	1	220-1523	220-1523
Fuel	1	276-1806	276-1806
Fuel	1	033-7854	033-7854

Description	Qty.	Part Number	STND
G7P1-UP			
Air	1	246-5011	246-5011
Engine Oil	1	220-1523	220-1523
Fuel	1	276-1806	276-1806
Fuel	1	150-4142	150-4142
Fuel	1	033-7854	033-7854
SAK1-UP (Engine)			
Engine Oil	1	220-1523	220-1523
Fuel	1	210-6787	210-6787
Fuel	1	206-6910	206-6910
Fuel	1	033-7854	033-7854
TAF1-UP			
Air	1	246-5011	246-5011
Air	1	197-8561	197-8561

C280-12

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
RDW1-UP, TSJ1-UP				
Air	1	128-1180	128-1180	--
Air - Cabinet Control	1	157-5240	157-5240	--
Air Primary	2	105-9741	105-9741	--

Description	Qty.	Part Number	STND	ADV[1]
RDW1-UP, TSJ1-UP (Continued)				
Engine Oil	6	179-1502	179-1502	249-2340
Fuel	2	4W-2609	4W-2609	--
Fuel - ADV	8	1R-0766	--	1R-0766

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C280-16

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
NKB1-UP, TDX1-UP				
Air - Cabinet Control	1	157-5240	157-5240	--
Air Primary	2	105-9741	105-9741	--
Engine Oil	6	179-1502	179-1502	249-2340

Description	Qty.	Part Number	STND	ADV[1]
NKB1-UP, TDX1-UP (Continued)				
Fuel	2	4W-2609	4W-2609	--
Fuel - ADV	8	1R-0766	--	1R-0766

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C280-6

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

C280-6 (Continued)

Description	Qty.	Part Number	STND	ADV[1]
LDL1-UP, SCB100-UP				
Air	1	128-1180	128-1180	--
Air - Cabinet Control	1	157-5240	157-5240	--
Air Primary	2	105-9741	105-9741	--
Engine Oil	6	179-1502	179-1502	249-2340
Fuel	2	4W-2609	4W-2609	--

Description	Qty.	Part Number	STND	ADV[1]
LDL1-UP, SCB100-UP (Continued)				
Fuel - ADV	8	1R-0766	--	1R-0766
SCB1-99				
Fuel	2	4W-2609	4W-2609	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C280-8

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
NDT1-UP, PKA100-UP				
Air - Cabinet Control	1	157-5240	157-5240	--
Air Primary	2	105-9741	105-9741	--
Engine Oil	6	179-1502	179-1502	249-2340
Fuel	2	4W-2609	4W-2609	--
Fuel - ADV	8	1R-0766	--	1R-0766

Description	Qty.	Part Number	STND	ADV[1]
PKA1-99				
Fuel	2	4W-2609	4W-2609	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3034

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
7EF1-UP			
Fuel - FWS	1	138-3100	138-3100
CPP1-UP			
Air	1	205-2284	205-2284
Air	1	205-2224	205-2224
Fuel	1	205-3043	205-3043

Description	Qty.	Part Number	STND
CPP1-UP (Continued)			
Fuel	1	033-7854	033-7854

3054

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
2PW1-UP			
Engine Oil	1	7W-2326	7W-2326
Fuel - FWS	1	138-3100	138-3100
4ZK1-4888			
Air Primary	1	110-6326	110-6326
Air Primary	1	100-6844	100-6844
Air Primary	1	100-6845	100-6845
Air Secondary	1	100-6847	100-6847
Air Secondary	1	110-6331	110-6331

Description	Qty.	Part Number	STND
4ZK1-4888 (Continued)			
Air Secondary	1	100-6848	100-6848
Engine Oil	1	7W-2326	7W-2326
Fuel - FWS	1	138-3100	138-3100
4ZK4889-UP			
Air Primary	1	123-2367	123-2367
Air Primary	1	110-6326	110-6326
Air Primary	1	100-6844	100-6844
Air Primary	1	100-6845	100-6845

(Continued)

3054 (Continued)

Description	Qty.	Part Number	STND
4ZK4889-UP (Continued)			
Air Secondary	1	100-6847	100-6847
Air Secondary	1	110-6331	110-6331
Air Secondary	1	100-6848	100-6848
Air Secondary	1	123-2368	123-2368
Engine Oil	1	7W-2326	7W-2326
Fuel - FWS	1	138-3100	138-3100
5YS1-UP			
Air	2	231-6109	231-6109
Air Primary	1	123-2367	123-2367
Air Primary	1	233-5182	233-5182
Air Primary	1	110-6326	110-6326
Air Primary	1	212-4478	212-4478
Air Primary	1	198-5314	198-5314
Air Secondary	1	210-7684	210-7684
Air Secondary	1	233-5184	233-5184
Air Secondary	1	110-6331	110-6331
Air Secondary	1	212-4477	212-4477
Air Secondary	1	123-2368	123-2368
Engine Oil	1	7W-2326	7W-2326
Fuel	1	147-6543	147-6543
Fuel - FWS	1	138-3100	138-3100
Fuel - FWS	1	117-4089	117-4089
Fuel Secondary	1	159-6102	159-6102
6FK1-UP			
Air Primary	1	123-2367	123-2367
Air Primary	1	130-4678	130-4678
Air Primary	1	110-6326	110-6326
Air Primary	1	100-6845	100-6845
Air Primary	1	100-6846	100-6846
Air Primary	1	100-6844	100-6844
Air Primary	1	212-4478	212-4478
Air Secondary	1	100-6849	100-6849
Air Secondary	1	100-6847	100-6847
Air Secondary	1	110-6331	110-6331
Air Secondary	1	100-6848	100-6848
Air Secondary	1	212-4477	212-4477
Air Secondary	1	123-2368	123-2368
Air Secondary	1	130-4679	130-4679
Engine Oil	1	7W-2326	7W-2326
Fuel	1	147-6543	147-6543
Fuel - FWS	1	138-3100	138-3100
6NR1-UP			
Engine Oil	1	7W-2326	7W-2326
Fuel	1	033-7854	033-7854

Description	Qty.	Part Number	STND
CHN1-UP			
Air Primary	1	198-5314	198-5314
Air Secondary	1	210-7684	210-7684
Engine Oil	1	7W-2326	7W-2326
Fuel	1	205-3043	205-3043
Fuel	2	236-6057	236-6057
Fuel	1	206-6910	206-6910
Fuel	1	210-6787	210-6787
Fuel - FWS	1	206-6909	206-6909
CSH1-UP			
Air	1	196-7648	196-7648
Fuel	1	205-3043	205-3043
CYK1-UP			
Air	1	196-7648	196-7648
Engine Oil	1	7W-2326	7W-2326
Fuel	1	205-3043	205-3043
GSM1-UP (Engine)			
Air Primary	1	212-4478	212-4478
Air Primary	1	198-5314	198-5314
Air Secondary	1	210-7684	210-7684
Air Secondary	1	212-4477	212-4477
Engine Oil	1	7W-2326	7W-2326
Fuel	1	205-3043	205-3043
Fuel	1	210-6787	210-6787
Fuel	1	206-6910	206-6910
SMN1-UP			
Air	1	196-7648	196-7648
TCN1-UP			
Air Primary	1	212-4478	212-4478
Air Secondary	1	212-4477	212-4477
Engine Oil	1	7W-2326	7W-2326
Fuel	1	205-3043	205-3043
Fuel	1	210-6711	210-6711
Fuel	2	236-6057	236-6057
Fuel	1	206-6910	206-6910
Fuel	1	210-6787	210-6787
Fuel - FWS	1	206-6909	206-6909

3056

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
1ML1-UP			
Air Primary	1	221-1170	221-1170
Air Primary	1	130-4678	130-4678
Air Primary	1	110-6326	110-6326
Air Primary	1	100-6845	100-6845
Air Primary	1	100-6846	100-6846
Air Secondary	1	110-6331	110-6331
Air Secondary	1	100-6848	100-6848
Air Secondary	1	100-6849	100-6849
Air Secondary	1	221-1174	221-1174
Air Secondary	1	130-4679	130-4679
Engine Oil	1	7W-2326	7W-2326
Fuel	1	147-6543	147-6543
Fuel - FWS	1	138-3100	138-3100
Fuel Secondary	1	159-6102	159-6102
3GW1-UP			
Fuel - FWS	1	138-3100	138-3100
Fuel Secondary	1	159-6102	159-6102
7AK1-UP			
Air Primary	1	130-4678	130-4678
Air Primary	1	100-6846	100-6846
Air Secondary	1	100-6849	100-6849
Air Secondary	1	130-4679	130-4679
Fuel - FWS	1	138-3100	138-3100
7MS1-2689			
Air	1	210-0925	210-0925
Air Primary	1	130-4678	130-4678
Air Primary	1	110-6326	110-6326
Air Secondary	1	110-6331	110-6331
Air Secondary	1	130-4679	130-4679
Engine Oil	1	7W-2326	7W-2326
Fuel	1	296-6429	296-6429
Fuel - FWS	1	138-3100	138-3100
Fuel Secondary	1	159-6102	159-6102

Description	Qty.	Part Number	STND
7MS2690-UP			
Air	1	210-0925	210-0925
Air Primary	1	130-4678	130-4678
Air Primary	1	110-6326	110-6326
Air Primary	1	100-6846	100-6846
Air Secondary	1	110-6331	110-6331
Air Secondary	1	100-6849	100-6849
Air Secondary	1	130-4679	130-4679
Engine Oil	1	7W-2326	7W-2326
Fuel	1	296-6429	296-6429
Fuel - FWS	1	138-3100	138-3100
Fuel Secondary	1	159-6102	159-6102
CKS1-UP			
Air	1	196-7648	196-7648
Air	2	193-5136	193-5136
GSN1-UP (Engine)			
Air Primary	1	212-4478	212-4478
Air Secondary	1	212-4477	212-4477
Fuel	1	205-3043	205-3043
Fuel	1	210-6787	210-6787
Fuel	1	206-6910	206-6910
SNX1-UP			
Air Primary	1	212-4478	212-4478
Air Secondary	1	212-4477	212-4477
Fuel	1	205-3043	205-3043
Fuel	2	236-6057	236-6057
Fuel	1	210-6787	210-6787
Fuel	1	206-6910	206-6910
Fuel - FWS	1	206-6909	206-6909

3176B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

3176B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3NL1-UP					
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
9CK1-32765					
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	1	1W-8845	1W-8845	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
9CK1-32765 (Continued)					
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
9WK1-UP					
Air	1	101-1626	101-1626	--	--
Air	1	118-2849	118-2849	--	--
Air Primary	1	8N-6309	8N-6309	--	185-8786
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	1	1R-0712	1R-0712	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3208

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
01Z1-3095					
Air Primary	1	8N-5006	8N-5006	--	--
Air Primary	1	7W-5040	7W-5040	--	--
Engine Oil	2	1R-0714	1R-0714	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
01Z3096-4621					
Air	1	2W-6155	2W-6155	--	--
Air Primary	1	8N-5006	8N-5006	--	--
Air Primary	1	7W-5040	7W-5040	--	--
Engine Oil	2	1R-0714	1R-0714	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
01Z4622-17346					
Air Primary	1	7W-2275	7W-2275	--	--
Air Primary	1	8N-5006	8N-5006	--	--
Air Primary	1	9Y-2300	9Y-2300	--	--
Air Primary	1	7W-5040	7W-5040	--	--
Engine Oil	2	1R-0713	1R-0713	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
01Z4622-17346 (Continued)					
Engine Oil	2	1R-0714	1R-0714	--	--
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
01Z17347-21746					
Air	1	7E-0766	7E-0766	--	--
Air Primary	1	7W-2275	7W-2275	--	--
Air Primary	1	8N-5006	8N-5006	--	--
Air Primary	1	9Y-2300	9Y-2300	--	--
Air Primary	1	7W-5040	7W-5040	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Engine Oil	2	1R-0714	1R-0714	--	--
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
01Z21747-UP					
Air	1	7E-0766	7E-0766	--	--
Air	1	4P-7918	4P-7918	--	--
Air	1	133-2217	133-2217	--	--
Air Primary	1	7W-2275	7W-2275	--	--
Air Primary	1	8N-5006	8N-5006	--	--
Air Primary	1	9Y-2300	9Y-2300	--	--

(Continued)

3208 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
01Z21747-UP (Continued)					
Air Primary	1	7W-5040	7W-5040	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Engine Oil	2	1R-0714	1R-0714	--	--
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
02Z1-36384					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
02Z36385-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	2	1R-0714	1R-0714	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
03Z1-6971					
Air	1	7N-1225	7N-1225	--	--
Air Primary	1	8N-5006	8N-5006	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary-Axial Seal	1	9S-9972	9S-9972	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
03Z6972-14819, 03Z15250-UP					
Air	1	7N-1225	7N-1225	--	--
Air Primary	1	8N-5006	8N-5006	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary-Axial Seal	1	9S-9972	9S-9972	--	--
Coolant	1	9N-3718	9N-3718	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
03Z6972-14819, 03Z15250-UP (Continued)					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	2	1R-0714	1R-0714	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
03Z14820-15249					
Air	1	7N-1225	7N-1225	--	--
Air Primary	1	8N-5006	8N-5006	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary-Axial Seal	1	9S-9972	9S-9972	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Engine Oil	2	1R-0714	1R-0714	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
29A1-224					
Air Secondary	1	2S-1286	2S-1286	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
29A225-1682					
Air	1	7N-1225	7N-1225	--	--
Air Secondary	1	2S-1286	2S-1286	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
29A1683-UP					
Air	1	7N-1225	7N-1225	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	2S-1286	2S-1286	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary-Axial Seal	1	9S-9972	9S-9972	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

(Continued)

3208 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
30A1-3203					
Air	1	7N-1225	7N-1225	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
30A3204-3262					
Air	1	7N-1225	7N-1225	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary-Axial Seal	1	9S-9972	9S-9972	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
30A3263-UP					
Air	1	7N-1225	7N-1225	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary-Axial Seal	1	9S-9972	9S-9972	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Engine Oil	2	1R-0714	1R-0714	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
32Y1-68440, 40S43367-94299					
Air	1	7N-1225	7N-1225	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Fuel	1	9N-3778	9N-3778	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
32Y68441-UP, 51Z1-UP					
Air	1	7N-1225	7N-1225	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel	1	9N-3778	9N-3778	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
40S1-1671					
Air	1	7N-1225	7N-1225	--	--
Fuel	1	9N-3778	9N-3778	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
40S1672-43366					
Air	1	7N-1225	7N-1225	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Fuel	1	9N-3778	9N-3778	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
40S94300-UP					
Fuel - FWS	1	8N-9803	8N-9803	--	--
5YF1-1169					
Air Primary	1	7C-1570	7C-1570	--	--
Engine Oil	2	1R-0714	1R-0714	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
5YF1170-UP					
Air Primary	1	7C-1570	7C-1570	--	--
Engine Oil	2	1R-0714	1R-0714	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
6SF1-UP					
Engine Oil	2	1R-0714	1R-0714	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
75V1-4282					
Air	1	6N-1655	6N-1655	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel	1	9N-3778	9N-3778	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
75V4283-UP					
Air	1	6N-1655	6N-1655	--	--
Air Primary	1	8N-5006	8N-5006	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	2	1R-0713	1R-0713	--	--

(Continued)

3208 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
75V4283-UP (Continued)					
Fuel	1	9N-3778	9N-3778	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
90N1-UP					
Air	1	7N-1225	7N-1225	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
90N1-UP (Continued)					
Air Secondary	1	2S-1286	2S-1286	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel	1	9N-3778	9N-3778	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3408

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
28V1-3037					
Air	1	5L-1203	5L-1203	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
28V3038-3353					
Air	1	5L-1203	5L-1203	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
28V3354-4800					
Air	1	5L-1203	5L-1203	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
28V4801-UP					
Air	1	5L-1203	5L-1203	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
67U1-4867					
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	6N-6064	6N-6064	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
67U1-4867 (Continued)					
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Coolant	2	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
67U4868-11802					
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	6N-6064	6N-6064	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166

(Continued)

3408 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
67U4868-11802 (Continued)					
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--
Coolant	2	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
67U11803-UP					
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	6N-6064	6N-6064	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--
Coolant	2	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
67U11803-UP (Continued)					
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
78Z1-1143					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
78Z1144-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	2	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
99U1-UP					
Air Primary	1	4N-0015	4N-0015	--	--
Coolant	2	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic	1	9G-6420	9G-6420	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3408C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1TS1-456					
Air Primary	1	4N-0015	4N-0015	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
1TS457-UP					
Air Primary	1	4N-0015	4N-0015	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4081-UP (Engine)					
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
67U1-4867					
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	6N-6064	6N-6064	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Coolant	2	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
67U4868-11802					
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
67U4868-11802 (Continued)					
Air Primary	1	6N-6064	6N-6064	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Coolant	2	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
67U11803-UP					
Air Primary	1	6N-6071	6N-6071	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	6N-6064	6N-6064	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6N-6065	6N-6065	--	--
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Air Secondary-Axial Seal	1	6I-2508	6I-2508	--	--
Coolant	2	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--

(Continued)

3408C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
67U11803-UP (Continued)					
Coolant	1	9N-3368	9N-3368	--	--
Coolant	1	1W-5518	1W-5518	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
78Z1-1143					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
78Z1144-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	7W-5216	7W-5216	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary	1	6I-2510	6I-2510	--	--
Air Secondary	1	1P-8482	1P-8482	--	--
Air Secondary	1	7N-1308	7N-1308	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	2	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8RG1-115, 8RG117-UP					
Air	1	4P-7918	4P-7918	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
8RG116-116					
Air	1	4P-7918	4P-7918	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
99U1-UP					
Air Primary	1	4N-0015	4N-0015	--	--
Coolant	2	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Hydraulic	1	9G-6420	9G-6420	--	--
9XM1-UP					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	2	111-2371	111-2371	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
TAM1-UP					
Air Primary	1	246-5009	246-5009	--	--
Air Primary	1	1W-3637	1W-3637	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Secondary	1	1W-3636	1W-3636	--	--
Air Secondary	1	246-5010	246-5010	--	--
Coolant	2	111-2371	111-2371	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3412D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
REA1-UP				
Coolant	1	9N-3367	9N-3367	--
Coolant	1	9N-3368	9N-3368	--
Coolant	2	111-2371	111-2371	--

Description	Qty.	Part Number	STND	ADV[1]
REA1-UP (Continued)				
Fuel - FWS	1	8N-0205	8N-0205	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3608

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
1ZD1-UP				
Engine Oil	1	273-9846	273-9846	--
Engine Oil	1	172-1018	172-1018	--
Fuel	1	3R-2251	3R-2251	--
5PG1-UP				
Fuel	1	3R-2251	3R-2251	--
6MC1-UP				
Air	3	105-9742	105-9742	--
Air	1	128-3919	128-3919	--
Air	1	128-1180	128-1180	--
Air - Cabinet Control	1	157-5240	157-5240	--
Air Primary	2	105-9741	105-9741	--
Engine Oil	6	179-1502	179-1502	249-2340
Fuel	4	119-8901	119-8901	--
Fuel	2	4W-2609	4W-2609	--
Fuel	2	7E-4480	7E-4480	--
Fuel	8	1W-4056	1W-4056	--
Fuel - ADV	8	1R-0766	--	1R-0766

Description	Qty.	Part Number	STND	ADV[1]
7WR1-UP				
Air - Cabinet Control	1	157-5240	157-5240	--
Air Primary	2	105-9741	105-9741	--
Breather - Power Train	1	002-2442	2-2442	--
Engine Oil	6	179-1502	179-1502	249-2340
Fuel	2	4W-2609	4W-2609	--
Fuel - ADV	8	1R-0766	--	1R-0766
8LL1-UP				
Air - Cabinet Control	1	157-5240	157-5240	--
Engine Oil	6	179-1502	179-1502	249-2340
Fuel - ADV	8	1R-0766	--	1R-0766
Fuel Primary	3	4P-7384	4P-7384	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3612

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
2NZ1-167				
Air - Cabinet Control	1	157-5240	157-5240	--
Engine Oil	6	179-1502	179-1502	249-2340
2NZ168-UP, 9FR1-UP				
Air - Cabinet Control	1	157-5240	157-5240	--
Engine Oil	6	179-1502	179-1502	249-2340
Fuel - ADV	8	1R-0766	--	1R-0766

Description	Qty.	Part Number	STND	ADV[1]
9RC1-UP				
Air	3	105-9742	105-9742	--
Air	1	128-3919	128-3919	--
Air	1	128-1180	128-1180	--
Air	1	233-2674	233-2674	--
Air - Cabinet Control	1	157-5240	157-5240	--
Air Primary	2	105-9741	105-9741	--
Engine Oil	6	179-1502	179-1502	249-2340

(Continued)

3612 (Continued)

Description	Qty.	Part Number	STND	ADV[1]
9RC1-UP (Continued)				
Fuel	4	119-8901	119-8901	--
Fuel	2	4W-2609	4W-2609	--
Fuel	2	7E-4480	7E-4480	--
Fuel - ADV	8	1R-0766	--	1R-0766

Description	Qty.	Part Number	STND	ADV[1]
NZA1-UP				
Engine Oil	6	179-1502	179-1502	249-2340
Fuel - ADV	8	1R-0766	--	1R-0766
ZYC1-UP				
Engine Oil	6	179-1502	179-1502	249-2340
Fuel - ADV	8	1R-0766	--	1R-0766
Fuel Primary	2	134-6307	134-6307	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3618

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
2MW1-UP				
Engine Oil	6	179-1502	179-1502	249-2340
Engine Oil	1	163-4200	163-4200	--
Fuel - ADV	8	1R-0766	--	1R-0766

Description	Qty.	Part Number	STND	ADV[1]
2MW1-UP (Continued)				
Fuel Primary	2	155-2952	155-2952	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

C7

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
C7P1-UP					
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
C7S1-1251					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
C7S1252-UP					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
C7T1-UP					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
FML1-UP, FMM1-UP, JKL1-UP, JRT1-UP, NPH1-UP, PRY1-UP, RMF1-UP, TSK1-UP, YPG1-UP					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

(Continued)

C7 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
JRA1-UP					
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
JTF1-UP					
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KAL1-UP, LBM1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	198-6378	198-6378	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
SAP1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
WAX1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C11

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KCA1-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1W-8845	1W-8845	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KCA1-UP (Continued)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C13

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

C13 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
EMS1-UP, PRM1-UP						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
JAM1-UP						
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
KCB1-UP						
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil	1	1W-8845	1W-8845	--	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
KWJ1-UP						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
LEE1-17007						
Air	1	299-7553	299-7553	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - ADV, Cartridge	1	276-3641	--	276-3641	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LEE1-17007 (Continued)						
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--	--
Fuel - FWS	1	256-8753	256-8753	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
OCV	1	328-6272	328-6272	--	--	--
LEE17008-UP						
Air	1	299-7553	299-7553	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - ADV, Cartridge	1	276-3641	--	276-3641	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel - FWS	1	256-8753	256-8753	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
OCV	1	328-6272	328-6272	--	--	--
S3C1-149						
Air	1	299-7553	299-7553	--	--	--
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
S3C150-UP						
Air	1	299-7553	299-7553	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C-10

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2PN1-7341, 8YS1-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	175-2949	175-2949	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
2PN7342-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	175-2949	175-2949	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3CS1-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	203-5594	203-5594	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	175-2949	175-2949	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BCX1-UP					
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
BEW1-UP					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
MBJ1-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	203-5594	203-5594	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C-12

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1YN1-12844					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
1YN12845-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
2KS1-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	203-5594	203-5594	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel - FWS	1	175-2949	175-2949	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
8YF1-UP					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1W-8845	1W-8845	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
9NS1-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	175-2949	175-2949	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
9SM1-UP					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	175-2949	175-2949	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
BCY1-UP					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
BDL1-UP (Engine)					
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary-Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
BFH1-UP					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--

(Continued)

C-12 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BFH1-UP (Continued)					
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
CPD1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1W-8845	1W-8845	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GEP1-UP, TME1-UP					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
MBL1-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	203-5594	203-5594	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C-15

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6NZ1-UP					
Coolant	1	9Y-1022	9Y-1022	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3368	9N-3368	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
9NZ1-UP					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9Y-1022	9Y-1022	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
EGH1-UP					
Coolant	1	9Y-1022	9Y-1022	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
MBN1-30210					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9Y-1022	9Y-1022	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
MBN30211-UP					
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C-16

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7CZ1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9Y-1022	9Y-1022	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
W1A1-158					
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
W1A159-184, W1A400-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9Y-1022	9Y-1022	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
W1A185-399					
Coolant	1	9Y-1022	9Y-1022	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

C-18

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CJP1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
MDP1-UP					
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Coolant	1	9Y-1022	9Y-1022	--	--
Coolant	1	9N-3718	9N-3718	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MDP1-UP (Continued)					
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
MEP1-UP					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CX28

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CX28 (Continued)

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
K3X1-UP					
Hydraulic - UHE	2	126-1815	--	126-1815	121-9868
Hydraulic - UHE	1	280-7424	--	280-7424	--
Hydraulic - UHE	1	280-7427	--	280-7427	--
Hydraulic - UHE, Cartridge	1	249-2329	--	249-2329	--
Hydraulic - UHE	1	102-2828	--	102-2828	156-0214

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
T3X1-UP (Transmission)					
Hydraulic - UHE	2	126-1815	--	126-1815	121-9868
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
Hydraulic - UHE	1	280-7424	--	280-7424	--
Hydraulic - UHE	1	280-7427	--	280-7427	--
Hydraulic - UHE, Cartridge	1	249-2329	--	249-2329	--
Hydraulic - UHE	1	102-2828	--	102-2828	156-0214
TBB1-UP (Transmission)					
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
Hydraulic - UHE	1	280-7424	--	280-7424	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3116

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1NJ1-UP					
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	8N-4901	8N-4901	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
1SK1-1686					
Air	1	4P-7918	4P-7918	--	--
Air Primary	1	8N-5006	8N-5006	--	--
Air Primary	1	7W-5040	7W-5040	--	--
Engine Oil	1	116-9924	116-9924	--	--
Engine Oil	1	1R-0714	1R-0714	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
1SK1687-UP					
Air	1	4P-7918	4P-7918	--	--
Air Primary	1	8N-5006	8N-5006	--	--
Air Primary	1	7W-5040	7W-5040	--	--
Engine Oil	1	116-9924	116-9924	--	--
Engine Oil	1	1R-0714	1R-0714	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1SK1687-UP (Continued)					
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
2BK1-3428, 7SF7689-10858					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3718	9N-3718	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
2BK3429-29535					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
2BK29536-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Fuel	1	7E-9763	7E-9763	--	--
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

(Continued)

3116 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2CW1-UP, 5JZ1-UP, 8WL7181-UP, 9LN1-UP, 9YN1-UP					
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
2FR1-UP					
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
2MR1-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
2SG1-UP					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
2WG1-UP					
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	8N-4901	8N-4901	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
3RJ1-UP, 5RM1-UP, 7AG1-UP, 7HJ1-UP, 7TM1-UP, 98Z272-UP					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4KG1-UP					
Air	1	4P-7918	4P-7918	--	--
Air Primary	1	8N-5006	8N-5006	--	--
Air Primary	1	7W-5040	7W-5040	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil	1	116-9924	116-9924	--	--
Engine Oil	1	1R-0714	1R-0714	--	--
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
4PG1-UP					
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	8N-4901	8N-4901	--	--
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary	1	6I-2735	6I-2735	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
5EN1-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
7HS1-UP, CSM1-UP					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

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3116 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7JL1-1112					
Air	1	114-9097	114-9097	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
7JL1113-1126, 7JL1266-2636, 7JL3879-UP					
Air	1	114-9097	114-9097	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
7JL1127-1265, 7JL2637-3878					
Air	1	114-9097	114-9097	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	117-4089	117-4089	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7JL1127-1265, 7JL2637-3878 (Continued)					
Fuel Primary	1	146-6695	146-6695	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
7SF1-7688, 7SF10859-UP					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
8WL1-7180					
Fuel	1	1R-0759	1R-0759	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
9GK1-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Fuel	1	7E-9763	7E-9763	--	--
Fuel	1	1R-0740	1R-0740	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3126E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6ZG1-UP					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	190-4118	190-4118	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6ZG1-UP (Continued)					
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
9SZ1-UP, CKM135-UP, HEP1-UP					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--

(Continued)

3126E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
9SZ1-UP, CKM135-UP, HEP1-UP (Continued)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	198-6378	198-6378	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
BNG1-UP					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - ADV	5	1R-0756	--	1R-0756	--
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
CKM1-134					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
CRP1-UP					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	198-6378	198-6378	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CRP1-UP (Continued)					
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
DPF1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
G3E1-414					
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
G3E415-UP					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
LEF1-UP					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3176

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2YG1-3356					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3366	9N-3366	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil	1	1W-8845	1W-8845	--	--
Fuel	1	1R-0712	1R-0712	--	--
Fuel	1	4N-5823	4N-5823	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2YG3357-UP, 7LG1-UP					
Engine Oil	1	1W-8845	1W-8845	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	1	1R-0712	1R-0712	--	--
Fuel	1	4N-5823	4N-5823	--	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
5XN1-UP					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3306C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2AZ1-UP					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
3KS1-498					
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
3KS499-UP					
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
7RJ1-6046					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
7RJ6047-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
9TL1-1667, 9TL10929-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
9TL1668-10928					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	1	1R-0740	1R-0740	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Coolant	1	9N-3718	9N-3718	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3406C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1DZ1-UP (Engine)					
Air Primary	1	142-1340	142-1340	--	220-0454
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
2AM1-UP					
Air Primary	1	4N-0015	4N-0015	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Primary	2	134-6307	134-6307	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2WB1-1358					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--

(Continued)

3406C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2WB1-1358 (Continued)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
2WB1359-UP					
Air Primary	1	7W-5313	7W-5313	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166
Air Secondary	1	6N-6444	6N-6444	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	3R-2251	3R-2251	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	8N-0205	8N-0205	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3ZJ1-3554					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel	1	1R-0712	1R-0712	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3ZJ3555-59797					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	1	1R-0712	1R-0712	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
3ZJ59798-UP					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	1	1R-0712	1R-0712	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4CK1-UP, 4MG3600-83944, 4MG91816-UP					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4MG1-3599					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4MG83945-91815					
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4RG1-2564					
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	4N-0015	4N-0015	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4RG2565-UP					
Air Primary	1	7C-1572	7C-1572	--	--
Air Primary	1	4N-0015	4N-0015	--	--
5KJ1-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-3366	9N-3366	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
8PN1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel	1	1R-0712	1R-0712	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
ZKC1-UP					
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

3406E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1LW1-229, 1MM1-UP, 2WS1-405					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9Y-1022	9Y-1022	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
1LW230-UP, 2WS406-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9Y-1022	9Y-1022	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3368	9N-3368	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4AS206-381					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
4AS382-UP					
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5DS1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9Y-1022	9Y-1022	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
5EK1-UP					
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-3717	9N-3717	--	--
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3366	9N-3366	--	--
Fuel	1	109-1376	109-1376	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
6TS1-UP					
Coolant	1	9N-6123	9N-6123	--	--
Fuel	1	1R-0712	1R-0712	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	15W-40	-15	50	5	122

Greases

Application Point: Front Axle, Main Drive Shaft Slip Spline, Power Take-Off Drive Shaft

(Continued)

Greases (Continued)

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Agricultural drawbar work at full throttle, engine lugged to max. Power most of the time, little or no idling or travel in reverse.	-30, 50	-22, 122	2	Ultra 5Moly Grease
Medium	Agricultural drawbar work at full throttle but not always lugging engine. Some idling and some travel with no load.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Considerable idling or travel with no load.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

Lexion 450

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5531-799					
Air	1	207-0744	207-0744	--	--
Air	1	209-2001	209-2001	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
553800-UP					
Air	1	209-2001	209-2001	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
55K1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel - FWS	1	151-2409	151-2409	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
55K1-UP (Engine) (Continued)					
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
5GG1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
6JK1273-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
8YW1-UP					
Fuel - FWS	1	133-5673	133-5673	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Lexion 460

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
55K1-900, 6JK584-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
5GG1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
6541-UP					
Air	1	207-0744	207-0744	--	--
Air	1	209-2001	209-2001	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6541-UP (Continued)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
9FW1-461					
Air Primary	1	151-7737	151-7737	--	--
Coolant	1	148-0503	148-0503	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
9FW462-UP					
Air Primary	1	151-7737	151-7737	--	--
Fuel - FWS	1	133-5673	133-5673	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Lexion 460 R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
55K1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel - FWS	1	151-2409	151-2409	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
5GG1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6651-902					
Air	1	207-0744	207-0744	--	--
Air	1	209-2001	209-2001	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
665903-UP					
Air	1	209-2001	209-2001	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Lexion 465

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

Lexion 465 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3HZ1-UP					
Air Primary	1	151-7737	151-7737	--	--
Coolant	1	148-0503	148-0503	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	149-3298	149-3298	--	--
55K1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel - FWS	1	151-2409	151-2409	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
55K1-UP (Engine) (Continued)					
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
6JK584-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Lexion 470

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6JK1353-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
9TW1-UP					
Air Primary	1	151-7737	151-7737	--	--
Fuel - FWS	1	133-5673	133-5673	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Lexion 470 R, Lexion 475 R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4ZF1-UP (Engine), 4ZF1-UP (Engine)					
Fuel - ADV	1	1R-0764	1R-0764	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
7651-902, 7671-838					
Air	1	207-0744	207-0744	--	--
Air	1	209-2001	209-2001	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7651-902, 7671-838 (Continued)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
765903-UP, 767839-UP					
Air	1	209-2001	209-2001	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Lexion 480

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

Lexion 480 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2BZ1-UP					
Coolant	1	148-0503	148-0503	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
7ZR450-1169 (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7ZR1170-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Lexion 480 R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8661-UP					
Air	1	207-0744	207-0744	--	--
Air	1	209-2001	209-2001	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
JAC1-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Lexion 485

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7ZR1116-1169 (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
7ZR1170-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8ZW1-UP					
Coolant	1	148-0503	148-0503	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	149-3298	149-3298	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Lexion 485 R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

Lexion 485 R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8681-UP					
Air	1	207-0744	207-0744	--	--
Air	1	209-2001	209-2001	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
JAC1-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

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Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3HS1-UP, 8RD1-UP, ADK1-UP						
Air - Cab Recirculation	1	117-6843	117-6843	--	--	--
Air - Cab Vent	1	116-5796	116-5796	--	--	--
Air - Cab, Charcoal	1	142-7069	142-7069	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
8DN1-548						
Air - Cab Recirculation	1	117-6843	117-6843	--	--	--
Air - Cab Vent	1	116-5796	116-5796	--	--	--
Air - Cab, Charcoal	1	142-7069	142-7069	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic	1	108-1094	108-1094	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
8DN549-UP						
Air - Cab Recirculation	1	117-6843	117-6843	--	--	--
Air - Cab Vent	1	116-5796	116-5796	--	--	--
Air - Cab, Charcoal	1	142-7069	142-7069	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8DN549-UP (Continued)						
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic	1	108-1094	108-1094	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
98Z1-4349 (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z4350-14981 (Engine)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z14982-16009 (Engine)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z16010-19756 (Engine)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

(Continued)

35 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z19757-UP (Engine)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9DF1-1055						
Air - Cab Recirculation	1	117-6843	117-6843	--	--	--
Air - Cab Vent	1	116-5796	116-5796	--	--	--
Air - Cab, Charcoal	1	142-7069	142-7069	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	108-1094	108-1094	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

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Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1DR1-1105						
Air - Cab Recirculation	1	117-6843	117-6843	--	--	--
Air - Cab Vent	1	116-5796	116-5796	--	--	--
Air - Cab, Charcoal	1	142-7069	142-7069	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic	1	108-1094	108-1094	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
1DR1106-UP						
Air - Cab Recirculation	1	117-6843	117-6843	--	--	--
Air - Cab Vent	1	116-5796	116-5796	--	--	--
Air - Cab, Charcoal	1	142-7069	142-7069	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic	1	108-1094	108-1094	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1DR1106-UP (Continued)						
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
3BK1-UP, 4KW1-UP, ABF1-UP						
Air - Cab Recirculation	1	117-6843	117-6843	--	--	--
Air - Cab Vent	1	116-5796	116-5796	--	--	--
Air - Cab, Charcoal	1	142-7069	142-7069	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4DZ1-2123						
Air - Cab Recirculation	1	117-6843	117-6843	--	--	--
Air - Cab Vent	1	116-5796	116-5796	--	--	--
Air - Cab, Charcoal	1	142-7069	142-7069	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	108-1094	108-1094	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

(Continued)

45 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z1-4349 (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z4350-14965, 98Z19756-UP (Engine)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z14966-19755 (Engine)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

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Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2CC1-UP, 2EJ1-UP						
Hydraulic	1	2P-5834	2P-5834	--	--	--
3SM1-UP, 6NN1-UP, 7TZ1-UP, AEN1-UP						
Air - Cab Recirculation	1	117-6843	117-6843	--	--	--
Air - Cab Vent	1	116-5796	116-5796	--	--	--
Air - Cab, Charcoal	1	142-7069	142-7069	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
55K1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5DK1-1849						
Air - Cab Recirculation	1	117-6843	117-6843	--	--	--
Air - Cab Vent	1	116-5796	116-5796	--	--	--
Air - Cab, Charcoal	1	142-7069	142-7069	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	108-1094	108-1094	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
7DM1-UP						
Air - Cab Recirculation	1	117-6843	117-6843	--	--	--
Air - Cab Vent	1	116-5796	116-5796	--	--	--
Air - Cab, Charcoal	1	142-7069	142-7069	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Hydraulic	1	108-1094	108-1094	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

65B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z32054-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7YC1-1116						
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	8N-6883	8N-6883	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Hydraulic	--	069-3734	--	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
7YC1117-2093						
Air - Cab	1	7T-8945	7T-8945	--	--	--
Air - Cab	1	7X-6345	7X-6345	--	--	--
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2502	6I-2502	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7YC1117-2093 (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	8N-6883	8N-6883	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Hydraulic	--	069-3734	--	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
7YC2094-UP						
Air - Cab	1	7T-8945	7T-8945	--	--	--
Air - Cab	1	7X-6345	7X-6345	--	--	--
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	8N-6883	8N-6883	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

65C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

65C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z69250-84539 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z84540-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
2ZJ1-499						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2ZJ500-UP						
Air - Cab Recirculation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
4ZF20127-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

65D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z78500-84539 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z84540-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
2ZJ1-999						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2ZJ1-999 (Continued)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
2ZJ1000-UP						
Air - Cab Recirculation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--

(Continued)

65D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2ZJ1000-UP (Continued)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
4ZF20127-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

65E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1GM1-UP						
Air - Cab UHE	1	139-3204	--	--	139-3204	--
Air - Cab Recirculation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	122-1674	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	--	069-3734	--	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
Hydraulic	1	077-3492	077-3492	--	--	--
6GS1-UP						
Air - Cab UHE	1	139-3204	--	--	139-3204	--
Air - Cab Recirculation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	122-1674	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6GS1-UP (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Hydraulic	--	069-3734	--	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
Hydraulic	1	077-3492	077-3492	--	--	--
7ZR575-648 (Engine)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
7ZR649-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

70C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

70C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z72400-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2YL1-UP						
Air - Cab Recirculation	1	105-4968	105-4968	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2YL1-UP (Continued)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

75

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
43Z1-UP (Engine)						
Coolant	1	9Y-1022	9Y-1022	--	--	--
Coolant	1	7E-6014[2]	7E-6014	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
4CJ1-435						
Air - Cab	1	7T-8945	7T-8945	--	--	--
Air - Cab	1	7X-6345	7X-6345	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Hydraulic	--	069-3734	--	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4CJ1-435 (Continued)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
4CJ436-UP						
Air - Cab	1	7X-6345	7X-6345	--	--	--
Air - Cab	1	7T-8945	7T-8945	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.
[2] 7E-6014 is cancelled and replaced with 9N-3368, 111-2369, 111-2370. Required replacement part number is dependent upon the cooling system capacity of your machine.

75C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

75C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
43Z490-UP (Engine)						
Coolant	1	9Y-1022	9Y-1022	--	--	--
Coolant	1	7E-6014[2]	7E-6014	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
4KK1-499						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4KK1-499 (Continued)						
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
4KK500-UP						
Air - Cab Recirculation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.
[2] 7E-6014 is cancelled and replaced with 9N-3368, 111-2369, 111-2370. Required replacement part number is dependent upon the cooling system capacity of your machine.

75D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5AR1-UP						
Air - Cab Recirculation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7ZR1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

75E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

75E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HM1-UP						
Air - Cab UHE	1	139-3204	--	--	139-3204	--
Air - Cab Re-circulation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	122-1674	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	--	069-3734	--	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
Hydraulic	1	077-3492	077-3492	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6HS1-UP						
Air - Cab UHE	1	139-3204	--	--	139-3204	--
Air - Cab Re-circulation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	122-1674	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Hydraulic	--	069-3734	--	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
Hydraulic	1	077-3492	077-3492	--	--	--
7ZR575-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

85C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
43Z720-UP (Engine)						
Coolant	1	9Y-1022	9Y-1022	--	--	--
Coolant	1	7E-6014[2]	7E-6014	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9TK1-UP						
Air - Cab Re-circulation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.
[2] 7E-6014 is cancelled and replaced with 9N-3368, 111-2369, 111-2370. Required replacement part number is dependent upon the cooling system capacity of your machine.

85D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4GR1-UP						
Air - Cab Re-circulation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6AR1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

85E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1NM1-UP						
Air - Cab UHE	1	139-3204	--	--	139-3204	--
Air - Cab Re-circulation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	--	069-3734	--	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
Hydraulic	1	077-3492	077-3492	--	--	--
6AR850-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6JS1-UP						
Air - Cab UHE	1	139-3204	--	--	139-3204	--
Air - Cab Re-circulation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Hydraulic	--	069-3734	--	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
Hydraulic	1	077-3492	077-3492	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

95E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1SM1-UP						
Air - Cab UHE	1	139-3204	--	--	139-3204	--
Air - Cab Re-circulation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
Hydraulic	1	077-3492	077-3492	--	--	--
6AR850-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6KS1-UP						
Air - Cab UHE	1	139-3204	--	--	139-3204	--
Air - Cab Re-circulation	1	105-4968	105-4968	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
Hydraulic	1	077-3492	077-3492	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Transmission

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Powershift Transmissions					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	50	32	122
Cat TDTO-TMS	TDTO-TMS	-10	50	14	122

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hoist (Ejector), Steering and Brake System, Brake Control					
Cat TDTO Cold Weather	SAE 0W-20 {A}	-40	40	-40	104
Cat TDTO	SAE 10W {A}	-20	50	-4	122
{A} The maxium allowable oil viscosity at 100°C is 6.6 cSt (ASTM D445).					

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Differentials and Final Drives (except E-Series II and 700 Series Articulated Trucks)					
Cat Synthetic GO	SAE 75W-140	-30	45	-22	113
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122
Differentials and Final Drives for E Series II and 700 Series Articulated Trucks					
Cat TDTO Cold Weather	SAE 0W-20	-40	-10	-40	14
Cat TDTO	SAE 50	-15	40	5	104
Cat TDTO-TMS	TDTO-TMS	-25	22	-13	72
Output Transfer Gear for E Series II and 700 Series Articulated Trucks					
Cat TDTO Cold Weather	SAE 0W-20	-40	-10	-40	14
Cat TDTO	SAE 30	-20	50	-4	122

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease.
Application Point: Belt Tightener, Drive Shaft Slip Joint, Drive Shaft Spline, Drive Shaft Universal Joint, Fan Drive Pulley, Hoist Control Bellcrank, Hoist Cylinder Bearing, Pump Drive Universal Joint, Rear Axle A-Frame Bearing, Steering Cylinder End, Steering Linkage, Steering Tie Rod and Pin Bearings, Tachometer Drive, Tailgate Bearings

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Long haul time with frequent adverse grades. Continuous use on very poorly maintained haul roads with high rolling resistance.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	Normal load and haul time. Varying load and haul road conditions. Some adverse grades. Some high rolling resistance.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Large amount of idling. Short to medium hauls on well maintained level haul roads. Minimum total resistance.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

D25C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z10559-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
9YC1-UP						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D25D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z18390-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1HK1-UP						
Air - Cab Heater	1	9X-4717	9X-4717	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D30C, D30D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z10559-UP (Engine), 13Z1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7ZC1-UP, 3AJ1-UP						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D35-HP

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3FD1-UP						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D35C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z10559-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2GD1-UP						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D40D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP, 70V28930-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
2JJ1-UP						
Air - Cab Heater	1	9X-4717	9X-4717	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
70V1-28929 (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D250E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

D250E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
5TN1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5TN1-UP (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D250E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z39400-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
4PS1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4PS1-UP (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D300B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z10559-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
4SD1-UP						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D300E, D300E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

D300E, D300E II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z33450-UP (Engine), 13Z39400-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7FN1-UP, 5KS1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7FN1-UP, 5KS1-UP (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D350C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z10559-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
8XC1-UP						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D350D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
9RF1-UP						
Air - Cab Heater	1	9X-4717	9X-4717	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D350E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

D350E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-3499 (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
11N3500-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z1-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
9LR1-419						
Air - Cab	1	7X-6012	7X-6012	--	--	--
Air - Cab Heater	1	9X-4717	9X-4717	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	2U-6391	2U-6391	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9LR1-419 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
9LR420-UP						
Air - Cab	1	7X-6012	7X-6012	--	--	--
Air - Cab Heater	1	9X-4717	9X-4717	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	2U-6391	2U-6391	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D350E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2XW1-UP						
Air - Cab	1	7X-6012	7X-6012	--	--	--
Air - Cab Heater	1	9X-4717	9X-4717	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2XW1-UP (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
9AP1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D400

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

D400 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1MD1-UP						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D400D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP, 70V28930-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
70V1-28929 (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8TF1-UP						
Air - Cab Heater	1	9X-4717	9X-4717	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D400E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2YR1-685						
Air - Cab	1	7X-6012	7X-6012	--	--	--
Air - Cab Heater	1	9X-4717	9X-4717	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	2U-6391	2U-6391	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2YR686-UP						
Air - Cab	1	7X-6012	7X-6012	--	--	--
Air - Cab Heater	1	9X-4717	9X-4717	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	2U-6391	2U-6391	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
41Z1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D400E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8PS1-UP, APF1-UP						
Air - Cab	1	7X-6012	7X-6012	--	--	--
Air - Cab Heater	1	9X-4717	9X-4717	--	--	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8PS1-UP, APF1-UP (Continued)						
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
9AP1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

725

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3PD1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
4TY500-UP, 9PY500-UP, DWW1-975, MJA1-UP (Transmission)						
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
AFX1-1178						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
AFX1179-1582						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AFX1179-1582 (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
AFX1583-UP						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1L1-504						
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--

(Continued)

725 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B1L1-504 (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1L505-711						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1L712-1785						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1L1786-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B1L1786-UP (Continued)						
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
DWW976-UP (Transmission)						
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
JRH1-UP (Transmission)						
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
RSX1-1762 (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
RSX1763-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
WWA1-UP						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	268-6704	268-6704	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

730

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

730 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4ZY500-UP, 9SY500-UP, DNN1-969, MTA1-UP (Transmission)						
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
5ED1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
AGF1-1091						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
AGF1092-1491						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
AGF1492-UP						
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
Air - Cab A/C	1	119-3355	119-3355	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B1M1-410, B1W1-184						
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1M411-630, B1W185-196						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1M631-1674						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1M1675-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134

(Continued)

730 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B1M1675-UP (Continued)						
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1W197-298						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	268-6704	268-6704	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1W299-350, WWB1-UP						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	268-6704	268-6704	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1W351-UP						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	268-6704	268-6704	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B1W351-UP (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
DNN970-UP (Transmission)						
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
JRH1-UP (Transmission)						
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
RSX1-1762 (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
RSX1763-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

735

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6LY500-UP, BJC500-UP, JTA1-827 (Transmission)						
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
AWR1-856						
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AWR1-856 (Continued)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132

(Continued)

735 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AWR857-UP						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1N1-436						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air - Pre-cleaner	1	278-7725	278-7725	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1N437-617						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Pre-cleaner	1	278-7725	278-7725	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1N618-704						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Pre-cleaner	1	278-7725	278-7725	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B1N618-704 (Continued)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1N705-879						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Pre-cleaner	1	278-7725	278-7725	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1N880-1011						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Pre-cleaner	1	278-7725	278-7725	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1N1012-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Pre-cleaner	1	278-7725	278-7725	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132

(Continued)

735 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BET1-6171 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BET6172-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BET6172-UP (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
JMC717-UP, JTA828-UP (Transmission)						
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
JTK1-UP (Transmission)						
Hydraulic - UHE	1	139-1536	--	--	139-1536	4T-3134
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

740

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AXM1-UP, AZZ1-UP						
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1P1-1073, B1R1-219						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air - Pre-cleaner	1	278-7725	278-7725	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B1P1-1073, B1R1-219 (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1P1074-1516, B1R220-255						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Pre-cleaner	1	278-7725	278-7725	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132

(Continued)

740 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B1P1517-2881, B1R256-369						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Pre-cleaner	1	278-7725	278-7725	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132
B1P2882-UP, B1R370-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Pre-cleaner	1	278-7725	278-7725	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	2	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BET1-6171 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BET6172-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	

Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic Systems

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO ULS	SAE 15W-40	-15	50	5	122

Lubricants - Transmission

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Powershift, Manual Transmissions					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110

Lubricants - Special Applications

1The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Augers and Conveyors					
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122
Cat Synthetic GO	SAE 75W-140	-30	45	-22	113

Greases

Application Point: Track Takeup Linkage, Takeup Idler Bearings

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Wide width, deep lift paving.	-30, 50	-22, 122	2	Ultra 5Moly Grease
Medium	3-4 m (10'-12') width, 50-75 mm (2-3) lift.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Narrow width paving - low production.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

AP300

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
B2Y1-UP			
Air Primary	1	294-2520	294-2520
Air Secondary	1	294-2519	294-2519
Fuel - FWS	1	252-6338	252-6338
CRS1-UP (Engine)			
Air Primary	1	293-4053	293-4053
Air Secondary	1	227-7449	227-7449
Engine Oil	1	7W-2326	7W-2326

Description	Qty.	Part Number	STND
CRS1-UP (Engine) (Continued)			
Fuel - FWS	1	252-6338	252-6338
Fuel - FWS	1	228-9130	228-9130
Fuel - FWS	1	1R-1804	1R-1804

AP600D, AP655D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

AP600D, AP655D (Continued)

Description	Qty.	Part Number	STND	UHE[1]
C6E1-UP (Engine), C6E1-UP (Engine)				
Engine Oil	1	269-8325	269-8325	--
Fuel - FWS	1	308-7298	308-7298	--
Fuel - UHE	1	319-0844	--	319-0844
Fuel - UHE	1	299-8229	--	299-8229
Fuel Secondary - UHE	1	306-9199	--	306-9199

Description	Qty.	Part Number	STND	UHE[1]
TFM1-UP, TFZ1-UP, GNN1-UP, GNZ1-UP, MAN1-UP, MAT1-UP				
Air Primary	1	256-7902	256-7902	--
Air Secondary	1	256-7903	256-7903	--
Fuel - FWS ADV	1	326-1644	--	--
Hydraulic	1	054-1719	054-1719	--
Hydraulic	1	255-1193	255-1193	--
Hydraulic	1	281-4256	281-4256	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-200B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
2NK1-UP			
Air	1	1G-7197	1G-7197
Engine Oil	1	081-2684	081-2684
Fuel	1	081-3242	081-3242

Description	Qty.	Part Number	STND
2NK1-UP (Continued)			
Fuel	1	1G-7206	1G-7206
Hydraulic	1	077-3058	077-3058

AP-650B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK59985-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9DN1-490						
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
9DN491-UP						
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9DN491-UP (Continued)						
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
A7P1-UP						
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
CRS2700-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
G4D1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-655C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AYP1-UP						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
CDG1-309						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	054-1719	054-1719	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CDG1-309 (Continued)						
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
CDG310-UP						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic - UHE	1	077-5479	--	--	077-5479	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-800B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1BF1-266						
Air Secondary	1	100-6848	100-6848	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Hydraulic	1	8T-7479	8T-7479	--	--	--
Hydraulic	1	8C-0292	8C-0292	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1BF267-UP						
Air Secondary	1	100-6848	100-6848	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
2LF170-175, 2NF119-131, 2PF93-99, 2SF90-92						
Fuel	1	9X-0939	9X-0939	--	--	--
Hydraulic	1	077-5795	077-5795	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-800C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

AP-800C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1PM1-UP						
Air Primary	1	102-9387	102-9387	--	--	--
Air Primary	1	102-9388	102-9388	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	147-6543	147-6543	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-800D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
A5P1-151						
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
A5P152-201						
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
A5P202-UP						
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-900B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

AP-900B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z31739-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
AGJ1-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AGJ1-UP (Continued)						
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-1000

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HD1-44						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
1HD45-57						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	077-5479	--	--	077-5479	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HD58-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
2WG1242-UP, 98Z1-2999 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
98Z3000-16009 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z16010-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-1000B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

AP-1000B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF84000-UP, 98Z30400-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
7HN1-253						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
7HN254-311						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
7HN312-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7HN312-UP (Continued)						
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
98Z16051-30399 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
AGP1-175						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
AGP176-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-1000D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

AP-1000D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
EAD1-UP						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-1050

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1JG1-62						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	7R-8373	7R-8373	--	--	--
Hydraulic	1	8T-7479	8T-7479	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
1JG63-90						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic	1	8T-7479	8T-7479	--	--	--
Hydraulic	1	7R-8373	7R-8373	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
1JG91-110						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic	1	7R-8373	7R-8373	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	117-9900	--	--	117-9900	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1JG111-125						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic	1	7R-8373	7R-8373	--	--	--
Hydraulic	1	117-9900	--	--	117-9900	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
1JG126-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	7R-8373	7R-8373	--	--	--
Hydraulic	1	117-9900	--	--	117-9900	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
2WG1-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--

(Continued)

AP-1050 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2WG1-UP (Continued)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z1-4237 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
98Z4238-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-1050B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6ZN1-194						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
6ZN195-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z1135-16275 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z16276-30399 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z30400-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-1055B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

AP-1055B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF84000-UP, 98Z30400-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
8BM1-166						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
8BM167-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
98Z1135-16266 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z16267-16275 (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z16276-30399 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
A3P1-UP, ABB206-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
ABB1-205						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

AP-1055D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

AP-1055D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
A6P1-UP, FAC1-UP						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

BG600D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
B6K1-UP				
Air Primary	1	256-7902	256-7902	--
Air Secondary	1	256-7903	256-7903	--
Fuel - FWS ADV	1	326-1644	--	--
Hydraulic	1	054-1719	054-1719	--
Hydraulic	1	255-1193	255-1193	--
Hydraulic	1	281-4256	281-4256	--

Description	Qty.	Part Number	STND	UHE[1]
C6E1-UP (Engine)				
Engine Oil	1	269-8325	269-8325	--
Fuel - FWS	1	308-7298	308-7298	--
Fuel - UHE	1	319-0844	--	319-0844
Fuel - UHE	1	299-8229	--	299-8229
Fuel Secondary - UHE	1	306-9199	--	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

BG-225C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5GN1-503						
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
5GN504-UP						
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5GN504-UP (Continued)						
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
5HK59985-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

(Continued)

BG-225C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B6G1-UP						
Air Secondary	1	206-5235	206-5235	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B6G1-UP (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Air Primary	1	206-5234	206-5234	--	--	--
CRS2700-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

BG-230

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	147-6543	147-6543	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9AL1-UP						
Air Primary	1	102-9387	102-9387	--	--	--
Air Primary	1	102-9388	102-9388	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

BG-230D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B4G1-UP						
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B4G1-UP (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

BG-240C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z31739-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
AGL1-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AGL1-UP (Continued)						
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

BG-245C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4XN1-109						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
4XN110-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z1135-16275 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z16276-30399 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z30400-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

BG-260C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF84000-UP, 98Z30400-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
8GN1-547						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
8GN548-576						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
8GN577-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
8GN577-UP (Continued)						
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
98Z16051-30399 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
BYG1-204						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
BYG205-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

BG-260D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

BG-260D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BPW1-UP						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

BG-650

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
5HK1-UP (Engine)			
Engine Oil	1	7W-2326	7W-2326
Fuel	1	147-6543	147-6543
Fuel Secondary	1	159-6102	159-6102
9EK1-UP			
Engine Oil	1	7W-2326	7W-2326

Description	Qty.	Part Number	STND
9RM1-UP (Engine)			
Engine Oil	1	7W-2326	7W-2326
Fuel - FWS	1	138-3100	138-3100
Fuel Secondary	1	159-6102	159-6102

BG-2255C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CKR1-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CPT1-UP (Engine)						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

BG-2455C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

BG-2455C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF84000-UP, 98Z30400-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6TN1-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
98Z1135-16275 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z16276-30399 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
ACM1-252						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
ACM253-UP, B2G1-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic	1	077-3492	077-3492	--	--	--
Hydraulic	1	123-2873	123-2873	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

BG-2455D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BNW1-UP, BXW1-UP						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel	1	119-0073	119-0073	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	

Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO ULS	SAE 15W-40	-15	50	5	122

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

(Continued)

Lubricants - Final Drives/Differentials (Continued)

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Final Drives and Swing Drives					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110
Differentials and Final Drives for certain Backhoe Loaders (see table below for fixed rear axle recommendations)					
Cat GO Syn	SAE 75W-140	-30	45	-22	113
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122
Cat FDAO SYN	FDAO SYN	-15	50	5	122

Lubricants - Fixed Rear Axle

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Brake Disc Part Number	197-0017 Additive Volume	Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Backhoe Loaders B, C and D Series							
133-7234	1 L (1.1 qt) {A}	Cat MTO	SAE 30	-25	40	-13	104
133-7234	1 L (1.1 qt) {A}	Cat TDTO	SAE 30	-25	40	-13	104
230-4017	150 ml (5.1 oz) {B}	Cat TDTO	SAE 30	-25	40	-13	104
Backhoe Loaders 416E, 420E, 422E, 428E, 430E, 432E, 434E and 444E							
238-5291	500 ml (17.0 oz) {C}	Cat TDTO	SAE 30	-25	40	-13	104
Backhoe Loader 450E							
288-7303	200 ml (6.8 oz) {D}	Cat TDTO	SAE 30	-25	40	-13	104
{A} The maximum amount of 197-0017 for this brake is 2 L (2.1 qt).							
{B} The maximum amount of 197-0017 for this brake is 300 mL (10.2 oz).							
{C} The maximum amount of 197-0017 for this brake is 550 mL (18.7 oz).							
{D} The maximum amount of 197-0017 for this brake is 250 mL (8.5 oz).							

Greases

Application Point: Drive Shaft Spline, Kingpin Bearing, Universal Joint, Wheel Bearing

(Continued)

Greases (Continued)

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Production work with long cycles and/or constant flow implements.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	General work with regular cycles in medium applications.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Utility work with intermittent cycles in light to medium applications.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

414E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	252-6338	252-6338	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--
ELB1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel Primary	1	156-1200	156-1200	--	--

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
ELB1-UP (Continued)					
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
G4D1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--
TMS1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

416, 416 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5PC1-2262						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Engine Oil	1	114-6691	114-6691	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
5PC2263-10761						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Engine Oil	1	4T-7948	4T-7948	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Engine Oil	1	114-6691	114-6691	--	--	--
Fuel	1	033-7854	033-7854	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5PC2263-10761 (Continued)						
Hydraulic	1	119-4740	119-4740	--	211-1026	--
5PC10762-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Engine Oil	1	4T-7948	4T-7948	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Engine Oil	1	114-6691	114-6691	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931

[1] Please see the Filter Upgrade information at the end of this section for additional details.

416B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	147-6543	147-6543	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
8SG1-11999						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8SG12000-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
8ZK1-5999						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

(Continued)

416B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8ZK6000-8770						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
8ZK8771-8960						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8ZK8961-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

416C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1WR1-9724, 1WR9731-UP, 4ZN3587-4001, 4ZN4004-4004, 4ZN4006-4006, 4ZN4008-4008, 4ZN4010-4014, 4ZN4016-4016, 4ZN4018-4027, 4ZN4029-4032, 4ZN4035-5634						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
1WR9725-9730						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1XR1-683, 5YN1-3799						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel	1	9R-5896	9R-5896	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
1XR684-UP, 5YN3800-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--

(Continued)

416C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1XR684-UP, 5YN3800-UP (Continued)						
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
4ZN1-3586						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
4ZN4002-4003, 4ZN4005-4005, 4ZN4007-4007, 4ZN4009-4009, 4ZN4015-4015, 4ZN4017-4017, 4ZN4028-4028, 4ZN4033-4034						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
4ZN5635-20487, 4ZN20525-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
4ZN20488-20524						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	147-6543	147-6543	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

416D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

416D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP, 7SG1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
B2D1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
BFP1-12899						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
BFP12900-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Primary	1	227-7448	227-7448	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
BGJ1-1049						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BGJ1-1049 (Continued)						
Air Secondary	1	152-7219	152-7219	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
BGJ1050-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
BKG1-1299						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
BKG1300-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--

(Continued)

416D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BKG1300-UP (Continued)						
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
CHW1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
CKN1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
CXP1-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
G4D1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

416E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
BWC1-UP, LMS1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recir-culation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel Primary	1	156-1200	156-1200	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
CBD1-5744					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recir-culation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--

(Continued)

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
CBD1-5744 (Continued)					
Fuel Primary	1	156-1200	156-1200	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
CBD5745-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recir-culation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel Primary	1	156-1200	156-1200	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
CRS1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--

416E (Continued)

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
CRS1-UP (Engine) (Continued)					
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	252-6338	252-6338	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--
G4D1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
SHA1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Primary	1	227-7448	227-7448	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel Primary	1	156-1200	156-1200	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

420D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
BKC1-501, C2L1-UP, C4T1-UP, C4Y1-UP, C8A1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
BKC502-919						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BKC920-UP, BMC1060-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
BLN1-10299						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

(Continued)

420D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BLN10300-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Primary	1	227-7448	227-7448	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
BMC1-610						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
BMC611-1059						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
C2C1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
FDP1-18399						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
FDP18400-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	227-7448	227-7448	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
MBH1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Primary	1	227-7448	227-7448	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

420E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
C4E1-UP (Engine)					
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	308-7298	308-7298	--	--
Fuel - UHE	1	299-8229	--	299-8229	--
Fuel Primary	1	309-0860	309-0860	--	--
DAN1-UP, DJL1-UP, GEK1-UP, PRA1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	308-7298	308-7298	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
GAN1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel Primary	1	156-1200	156-1200	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
HLS1-UP, KMW1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Primary	1	227-7448	227-7448	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel Primary	1	156-1200	156-1200	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
PHC1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	308-7298	308-7298	--	--
Fuel - UHE	1	299-8229	--	299-8229	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

422E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)					
Fuel - FWS	1	252-6338	252-6338	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
DSK1-UP, HBE1-UP, MAW1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
DSK1-UP, HBE1-UP, MAW1-UP (Continued)					
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
G4D1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--

(Continued)

422E (Continued)

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
G4D1-UP (Engine) (Continued)					
Fuel - FWS	1	1R-1804	1R-1804	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

424D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7SG1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
BGP1-UP, BKR1-565						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
BKR566-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJZ1-UP, RXA1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
S3G1-UP, S5A1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

426, 426 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

426, 426 II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BC1-478						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Engine Oil	1	114-6691	114-6691	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
7BC479-3476						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Engine Oil	1	4T-7948	4T-7948	--	--	--
Engine Oil	1	114-6691	114-6691	--	--	--
Fuel	1	033-7854	033-7854	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BC479-3476 (Continued)						
Hydraulic	1	119-4740	119-4740	--	211-1026	--
7BC3477-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Engine Oil	1	4T-7948	4T-7948	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Engine Oil	1	114-6691	114-6691	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931

[1] Please see the Filter Upgrade information at the end of this section for additional details.

426B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	147-6543	147-6543	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
5YJ1-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
6KL1-1199						
Hydraulic	1	119-4740	119-4740	--	211-1026	--
6KL1200-2046						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6KL1200-2046 (Continued)						
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
6KL2047-2198						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
6KL2199-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

(Continued)

426B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

426C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1CR1-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
1ER1-363, 1NR1-453, 1ZR1-425, 7WN1-438						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel	1	9R-5896	9R-5896	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
1ER364-UP, 1NR454-UP, 1ZR426-UP, 7WN439-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1ER364-UP, 1NR454-UP, 1ZR426-UP, 7WN439-UP (Continued)						
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
1MR1-291						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
1MR292-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
1YR1-456, 6XN1-4481, 6XN4486-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--

(Continued)

426C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1YR1-456, 6XN1-4481, 6XN4486-UP (Continued)						
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
1YR457-2011, 1YR2013-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
1YR2012-2012						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
5HK35900-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6XN4482-4485						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

428, 428 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6TC1-357						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Engine Oil	1	114-6691	114-6691	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6TC358-6563						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Engine Oil	1	4T-7948	4T-7948	--	--	--
Engine Oil	1	114-6691	114-6691	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--

(Continued)

428, 428 II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6TC6564-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Engine Oil	1	4T-7948	4T-7948	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6TC6564-UP (Continued)						
Engine Oil	1	114-6691	114-6691	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931

[1] Please see the Filter Upgrade information at the end of this section for additional details.

428B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	147-6543	147-6543	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
7EJ1-5999						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7EJ6000-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

428C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HR1-401, 1SR1-422, 2CR1-422, 8RN1-1628						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel	1	9R-5896	9R-5896	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HR1-401, 1SR1-422, 2CR1-422, 8RN1-1628 (Continued)						
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
1HR402-402, 2CR423-1049						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--

(Continued)

428C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HR402-402, 2CR423-1049 (Continued)						
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel	1	9R-5896	9R-5896	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
1HR403-UP, 2CR1050-UP, 8RN1629-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
1SR423-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1SR423-UP (Continued)						
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
5HK35000-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

428D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
BLL1-650, BMT1-1617, BNB1-699, BNS1-1117, S7C1-UP, S9D1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BLL651-699, BMT1618-UP, BNB700-UP, BNS1118-1603						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--

(Continued)

428D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BLL700-UP, BNS1604-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
BXC1-UP, MBM1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
DSX1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

428D NF

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
7BJ67008-UP (Engine)					
Engine Oil	1	7W-2326	7W-2326	--	--
S1K1-UP, S3N1-UP					
Air - Cab	1	170-7272	170-7272	--	--
Air - Cab Recir-culation	1	206-7514	206-7514	--	--
Air Primary	1	110-6326	110-6326	--	--

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
S1K1-UP, S3N1-UP (Continued)					
Air Secondary	1	110-6331	110-6331	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

428E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

428E (Continued)

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	252-6338	252-6338	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
DPH1-UP, DXC1-UP, SNL1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recir-culation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

430D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
BML1-2280, BNK1-2501					
Air - Cab	1	170-7272	170-7272	--	--
Air - Cab Recir-culation	1	206-7514	206-7514	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Air Secondary	1	110-6331	110-6331	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
BML2281-4799, BNK2502-5899					
Air - Cab	1	170-7272	170-7272	--	--
Air - Cab Recir-culation	1	206-7514	206-7514	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Air Secondary	1	110-6331	110-6331	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
BML4800-UP, BNK5900-UP					
Air - Cab	1	170-7272	170-7272	--	--
Air - Cab Recir-culation	1	206-7514	206-7514	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Primary	1	227-7448	227-7448	--	--
Air Secondary	1	227-7449	227-7449	--	--
Air Secondary	1	110-6331	110-6331	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
C3J1-UP, C5B1-UP, C7E1-UP, C9P1-UP					
Air - Cab	1	170-7272	170-7272	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Secondary	1	110-6331	110-6331	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

430E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
C4E1-UP (Engine)					
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	308-7298	308-7298	--	--
Fuel - UHE	1	299-8229	--	299-8229	--
Fuel Primary	1	309-0860	309-0860	--	--
CRS1-1238 (Engine)					
Engine Oil	1	7W-2326	7W-2326	--	--
DDT1-UP, EAT1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recir-culation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Primary	1	227-7448	227-7448	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel Primary	1	156-1200	156-1200	--	--
G4D1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
MXB1-UP, SWC1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recir-culation	1	211-2660	211-2660	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	308-7298	308-7298	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
RLN1-UP, SCD1-UP					
Air	1	278-8276	278-8276	--	--
Air	1	278-8275	278-8275	--	--
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recir-culation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	308-7298	308-7298	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

432D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ19000-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
BLD1-1594, S6B1-UP, S6H1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BLD1595-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

(Continued)

432D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine) (Continued)						
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
TDR1-UP, WEP1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
TDR1-UP, WEP1-UP (Continued)						
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

432E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
BXE1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recir-culation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
CRS1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	252-6338	252-6338	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
G4D1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--
JBA1-UP, RXS1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recir-culation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

434E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

434E (Continued)

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	252-6338	252-6338	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--
FSH1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
G4D1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--
SEF1-UP, SJL1-UP, SXB1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

436, 436 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5KF1-805						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Recirculation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5KF806-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Recirculation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931

[1] Please see the Filter Upgrade information at the end of this section for additional details.

436B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

436B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK25600-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
6MJ1-799						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Recirculation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
6MJ800-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Recirculation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
7FL1-599						
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7FL600-879						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Recirculation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
7FL880-900						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Recirculation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
7FL901-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Recirculation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

436C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

436C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FR1-UP, 1PR313-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
1PR1-312						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
1RR1-497, 2BR1-410, 9JN1-383						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel	1	9R-5896	9R-5896	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
1RR498-UP, 2BR411-UP, 9JN384-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1RR498-UP, 2BR411-UP, 9JN384-UP (Continued)						
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
2AR1-311						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
2AR312-1849, 2AR1851-UP, 8TN1-1219, 8TN1221-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
2AR1850-1850, 8TN1220-1220						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
5HK35900-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

438, 438 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3DJ1-827						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3DJ828-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	7W-6754	7W-6754	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931

[1] Please see the Filter Upgrade information at the end of this section for additional details.

438B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KK1-799						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
3KK800-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	8N-5504	8N-5504	--	--	--
Air Secondary	1	4W-6691	4W-6691	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KK800-UP (Continued)						
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
5HK25600-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

438C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1JR1-606, 9KN1-560						
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel	1	9R-5896	9R-5896	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Air	1	104-9481	104-9481	--	--	--
1JR607-UP, 9KN561-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
1TR1-782, 2DR1-1049						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel	1	9R-5896	9R-5896	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
1TR783-1060, 1TR1284-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
1TR783-1060, 1TR1284-UP (Continued)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
1TR1061-1283						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
2DR1050-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	104-6040	104-6040	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
5HK35000-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

438D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BPE1-663, BPN1-475, S8J1-UP, S8M1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
BPE664-716, BPN476-529						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BPE664-716, BPN476-529 (Continued)						
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
BPE717-UP, BPN530-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

442D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BRG1-827, BRY1-746, S4R1-UP, S4T1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
BRG828-1012, BRY747-848						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BRG828-1012, BRY747-848 (Continued)						
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
BRG1013-UP, BRY849-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--

(Continued)

442D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SMJ1-UP, TBD1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

442E, 444E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
CRS1-UP (Engine), CRS1-UP (Engine)					
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	252-6338	252-6338	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--
EME1-UP, PCR1-UP, HXB1-UP, NBA1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recir-culation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Fuel - FWS	1	228-9130	228-9130	--	--

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
EME1-UP, PCR1-UP, HXB1-UP, NBA1-UP (Continued)					
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014
GKZ1-UP, LBE1-UP					
Air - Cab	1	211-2661	211-2661	--	--
Air - Cab Recir-culation	1	211-2660	211-2660	--	--
Air Primary	1	293-4053	293-4053	--	--
Air Secondary	1	227-7449	227-7449	--	--
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel - FWS	1	131-1812	131-1812	--	--
Fuel - FWS	1	228-9130	228-9130	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

446

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

446 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2FG1-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
3NE1-UP (Transmission)						
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6XF1-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Recirculation	1	7T-3549	7T-3549	--	--	--
Air Primary-Radial Seal	1	7W-3920	7W-3920	--	--	--
Air Secondary	1	7C-1062	7C-1062	--	--	--
Engine Oil	1	1R-0772	1R-0772	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931

[1] Please see the Filter Upgrade information at the end of this section for additional details.

446B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1EY1-UP, 1FY1-UP, 1ZY1-UP, 2AY1-UP, 8JX1-UP (Transmission)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
2FG6229-UP, 4RR1191-UP, 97Z3461-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
3NE1-UP (Transmission)						
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--
4RR1-1190, 97Z1-3460 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
5BL1-918						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Recirculation	1	7T-3549	7T-3549	--	--	--
Air Primary-Radial Seal	1	7W-3920	7W-3920	--	--	--
Air Secondary	1	7C-1062	7C-1062	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5BL919-1499						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Recirculation	1	7T-3549	7T-3549	--	--	--
Air Primary-Radial Seal	1	7W-3920	7W-3920	--	--	--
Air Secondary	1	7C-1062	7C-1062	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5BL1500-1507						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Recirculation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	108-0671	108-0671	--	--	--
Air Primary-Radial Seal	1	7W-3920	7W-3920	--	--	--
Air Secondary	1	7C-1062	7C-1062	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

(Continued)

446B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5BL1508-1676						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	108-0671	108-0671	--	--	--
Air Primary-Radial Seal	1	7W-3920	7W-3920	--	--	--
Air Secondary	1	7C-1062	7C-1062	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5BL1677-2499						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	108-0671	108-0671	--	--	--
Air Primary-Radial Seal	1	7W-3920	7W-3920	--	--	--
Air Secondary	1	7C-1062	7C-1062	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5BL1677-2499 (Continued)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
5BL2500-UP						
Air - Cab	1	7T-3519	7T-3519	--	--	--
Air - Cab Re-circulation	1	7T-3549	7T-3549	--	--	--
Air Primary	1	108-0671	108-0671	--	--	--
Air Primary-Radial Seal	1	7W-3920	7W-3920	--	--	--
Air Secondary	1	7C-1062	7C-1062	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	119-4740	119-4740	--	211-1026	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

446D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
2FG7200-UP (Engine)					
Engine Oil	1	1R-0714	1R-0714	--	--
Fuel Secondary - ADV	1	1R-0753	--	--	--
DBL1-UP					
Air - Cab	1	170-7272	170-7272	--	--
Air - Cab Recir-culation	1	206-7514	206-7514	--	--
Air Primary	1	108-0671	108-0671	--	--

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
DBL1-UP (Continued)					
Air Primary- Radial Seal	1	7W-3920	7W-3920	--	--
Air Secondary	1	7C-1062	7C-1062	--	--
Air Secondary	1	108-0672	108-0672	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	119-4740	119-4740	211-1026	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

450E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

450E (Continued)

Description	Qty.	Part Number	STND	UHE[1]
C4E1-UP (Engine)				
Fuel - UHE	1	299-8229	--	299-8229
EBL1-UP				
Air	1	278-8276	278-8276	--
Air	1	278-8275	278-8275	--
Air - Cab	1	211-2661	211-2661	--

Description	Qty.	Part Number	STND	UHE[1]
EBL1-UP (Continued)				
Air - Cab Recirculation	1	211-2660	211-2660	--
Engine Oil	1	7W-2326	7W-2326	--
Fuel - FWS	1	308-7298	308-7298	--
Hydraulic	1	119-4740	119-4740	211-1026
Hydraulic - UHE	1	207-5035	--	207-5035

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	

Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic System					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Avanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Clutch Oil

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Powershift, Manual Transmission					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110

Greases

Application Point: Chain Tensioner, Fan Drive Bearings, Propel Transmission Control Cable, Pump Drive Shaft, Rotor Transmission Shift Linkage, Wheel Hub Bearings

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	457 mm (18) soil/ 305 mm (12) asphalt.	-30, 50	-22, 122	2	Ultra 5Moly Grease
Medium	305 mm (12) soil/150 mm (6) asphalt.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	150 mm (6) soil/100 mm (4) asphalt.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

PM-200

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
P1C1-UP				
Air	1	259-2023	259-2023	--
Air	1	259-2022	259-2022	--
RHX1-UP (Engine)				
Oil - ADV	2	249-2347	--	249-2347
Fuel - FWS ADV	1	326-1642	--	326-1642
Fuel - FWS ADV	1	326-1644	--	326-1644

Description	Qty.	Part Number	STND	ADV[1]
RHX1-UP (Engine) (Continued)				
Fuel Secondary - ADV	1	1R-0762	--	1R-0762
Fuel Secondary - ADV	1	1R-0755	--	1R-0755

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PM-201

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
PNM1-UP						
Air	1	126-5802	126-5802	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Hydraulic	1	1G-5459	1G-5459	--	--	--
Hydraulic	1	274-5706	274-5706	--	--	--
Hydraulic	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RHX1-UP (Engine)						
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PM-465

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z4926-13656 (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z13657-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
5ZS1-145						
Air	1	126-5802	126-5802	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Hydraulic	1	1G-5459	1G-5459	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5ZS1-145 (Continued)						
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
5ZS146-UP						
Air	1	126-5802	126-5802	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Hydraulic	1	1G-5459	1G-5459	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	077-5479	--	--	077-5479	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PM-565

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3TK1-102						
Air Primary	1	7W-5216	7W-5216	--	--	--
Air Secondary	1	7N-1308	7N-1308	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	1G-5459	1G-5459	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
3TK103-112						
Air	1	126-5802	126-5802	--	--	--
Air Primary	1	7W-5216	7W-5216	--	--	--
Air Secondary	1	7N-1308	7N-1308	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3TK103-112 (Continued)						
Hydraulic	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	1G-5459	1G-5459	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
3TK113-123						
Air	1	126-5802	126-5802	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	1G-5459	1G-5459	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

(Continued)

PM-565 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3TK113-123 (Continued)						
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
3TK124-UP						
Air	1	126-5802	126-5802	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	1G-5459	1G-5459	--	--	--
Hydraulic	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3TK124-UP (Continued)						
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
48W34817-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
99C1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PM-565B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8GS1-137						
Air	1	126-5802	126-5802	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	1G-5459	1G-5459	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	077-5479	--	--	077-5479	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8GS138-UP						
Air	1	126-5802	126-5802	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	1G-5459	1G-5459	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
99C1019-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PR-450

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

PR-450 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
67U11094-UP					
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
7DC204-363					
Air	1	8T-6289	8T-6289	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7DC204-363 (Continued)					
Engine Oil - ADV	2	275-2604	--	275-2604	244-4484
7DC364-UP					
Air	1	8T-6289	8T-6289	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil - ADV	2	275-2604	--	275-2604	244-4484

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PR-450C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
48W34000-UP (Engine)					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
67U14870-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7PJ1-59					
Air	1	8T-6289	8T-6289	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil	2	8T-3815	8T-3815	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
7PJ60-UP					
Air	1	8T-6289	8T-6289	--	--
Air	1	126-5802	126-5802	--	--
Coolant	1	9N-3367	9N-3367	--	--
Engine Oil	2	8T-3815	8T-3815	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PR-750B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
38S13236-UP						
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8AC1-139						
Air Primary	1	6N-6071	6N-6071	--	--	--
Air Secondary	1	6N-6072	6N-6072	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	155-4843	155-4843	--	--	--
Hydraulic	1	8T-7479	8T-7479	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
8AC140-UP						
Air Primary	1	6N-6071	6N-6071	--	--	--
Air Secondary	1	6N-6072	6N-6072	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PR-1000C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
03Z4000-7211					
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
03Z7212-UP, 79V1-UP					
Engine Oil	2	1R-0714	1R-0714	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
38S13236-UP					
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
5XC1-137					
Air Primary	1	6N-6071	6N-6071	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Air Secondary	1	9N-8192	9N-8192	--	--
Engine Oil	1	155-4843	155-4843	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
5XC138-138					
Air	1	8C-3047	8C-3047	--	--
Air	1	8T-8076	8T-8076	--	--
Air Primary	1	6N-6071	6N-6071	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	155-4843	155-4843	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
5XC139-142					
Air	1	8C-3047	8C-3047	--	--
Air	1	8T-8076	8T-8076	--	--
Air Primary	1	6N-6071	6N-6071	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
5XC143-147					
Air	1	8C-3047	8C-3047	--	--
Air	1	8T-8076	8T-8076	--	--
Air Primary	1	6N-6071	6N-6071	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Coolant	1	9N-3367	9N-3367	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5XC143-147 (Continued)					
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	155-4843	155-4843	--	--
Engine Oil	1	7R-8237	7R-8237	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Hydraulic	1	8T-7479	8T-7479	--	--
Hydraulic	1	7R-8233	7R-8233	--	--
5XC148-153					
Air	1	8C-3047	8C-3047	--	--
Air	1	8T-8076	8T-8076	--	--
Air Primary	1	6N-6071	6N-6071	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Engine Oil	1	155-4843	155-4843	--	--
Engine Oil	1	7R-8237	7R-8237	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Hydraulic	1	7R-8233	7R-8233	--	--
Hydraulic	1	1G-5459	1G-5459	--	--
5XC154-UP					
Air	1	8C-3047	8C-3047	--	--
Air	1	8T-8076	8T-8076	--	--
Air Primary	1	6N-6071	6N-6071	--	--
Air Secondary	1	6N-6072	6N-6072	--	--
Engine Oil	1	155-4843	155-4843	--	--
Engine Oil	1	7R-8237	7R-8237	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Hydraulic	1	7R-8233	7R-8233	--	--
Hydraulic	1	1G-5459	1G-5459	--	--
73W1-17719 (Engine)					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
73W17720-UP (Engine)					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	111-2371	111-2371	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	

Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic Systems

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Transmission

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Power Shift Transmission					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	Cat TDTO-TMS	-20	43	-4	110

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Drive Axles for Medium Compactors (815-826)					
Cat TDTO Cold Wearther	SAE 0W-20	-40	10	-40	32
Cat TDTO	SAE 10W	-25	15	-13	59
Cat TDTO	SAE 30	-20	43	-4	110
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	Cat TDTO-TMS	-30	43	-22	110
Drive Axles for Large Compactors (836)					
Cat TDTO Cold Weather	SAE 0W-20	-40	-10	-40	14
Cat TDTO	SAE 10W	-25	0	-13	32
Cat TDTO	SAE 30	-20	20	-4	68
Cat TDTO	SAE 50	-10	50	14	122
Cat TDTO-TMS	Cat TDTO-TMS	-25	22	-13	72

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease.
Application Point: Articulation Bearings, Drive Shaft Spline, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Lift Cylinder Yoke Bearing, Steering Shaft, Tilt Cylinder Bearing

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Heavy dozing, compacting heavy material. Heavy landfill work.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	Production dozing, most pushloading, shovel cleanup, normal compaction.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Considerable idling or travel with no load.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The “Part Number” column represents the “As Shipped” filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

815B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by “(Engine)” following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

815B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z3945-25424 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z25425-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
17Z1-808						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
17Z809-UP						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
KHX9820-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

815F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z86460-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1GN1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3PD1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

(Continued)

815F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BKL1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BKL1-UP (Continued)						
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
R6J1-UP (Engine)						
Fuel Second-ary	1	1R-1712	1R-1712	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

816B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z3945-25424 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
08Z25425-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
15Z1-1335						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
15Z1-1335 (Continued)						
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
15Z1336-UP						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

816F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

816F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z86460-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
3PD1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
5FN1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC1-UP (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BMR1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
R6J1-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

825C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
70V14495-14538 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
70V14539-16375 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
70V16376-27198 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

(Continued)

825C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
70V27199-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
86X1-429						
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
86X430-646						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
86X647-710						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
86X711-730						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
86X731-906						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
86X907-1445						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--

(Continued)

825C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
86X907-1445 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
86X1446-1447						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
86X1448-UP						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
BKN1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
LHX15363-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

825G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

825G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z212-2418 (Engine)						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z2419-24161 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z24162-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6RN1-278						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6RN1-278 (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6RN279-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

825G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AXB1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BKN1-1839 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BKN1840-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

825H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AZW1-UP, ZHC1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	299-1893	299-1893	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

826C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP, 70V27942-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
70V14495-14541, 70V24942-27198 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
70V14542-24941 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
87X1-182						
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
87X183-372						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
87X183-372 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
87X373-463						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
87X464-560						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--

(Continued)

826C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
87X464-560 (Continued)						
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
87X561-586						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
87X587-1102						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
87X587-1102 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
87X1103-1445						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
87X1446-1455						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Coolant	1	9N-6123	9N-6123	--	--	--
87X1456-UP						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--

(Continued)

826C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
87X1456-UP (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BKN1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
LHX15363-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

826G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z212-2418 (Engine)						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z2419-24161 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z24162-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
7LN1-170						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7LN1-170 (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
7LN171-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

826G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AYH1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BKN1-1839 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
BKN1840-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

826H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AWF1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Precleaner	1	258-6614	258-6614	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	299-1893	299-1893	--	--	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
ZXT1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

836

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

836 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3RL1-UP						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
48W35200-UP, 99C1500-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
7FR1-263						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7FR1-263 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
7FR264-UP						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

836G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7MZ1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
7RC1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BNT1-10128 (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BNT10129-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BRL1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133

[1] Please see the Filter Upgrade information at the end of this section for additional details.

836H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BXD1-429						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	299-1893	299-1893	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Precleaner	1	258-6614	258-6614	--	--	--
BXD430-999						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	299-1893	299-1893	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic	1	126-1816	--	--	126-1816	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Precleaner	1	258-6614	258-6614	--	--	--
BXD1000-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BXD1000-UP (Continued)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	299-1893	299-1893	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Precleaner	1	258-6614	258-6614	--	--	--
Transmission	1	337-5270	337-5270	--	--	--
RHX1-UP (Engine)						
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
XTR1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic	1	126-1816	--	--	126-1816	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Precleaner	1	258-6614	258-6614	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	

Lubricants - Engine Crankcase (All Excavators Including Mini-Hex)

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System (All Excavators Including Mini-Hex)

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems, Hydraulic Excavator Swing Motor and Travel Motor Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Car DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Final Drives/Differentials (All Excavators but Mini Hex)

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Final Drives and Swing Drives					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-25	25	-13	77
Cat TDTO	SAE 50	-15	50	5	122
Cat TDTO-TMS	TDTO-TMS	-30	25	-22	77

Lubricants - Undercarriage

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Track Roller Frame Recoil Spring and Pivot Shaft Bearings					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-20	25	-4	77
Cat TDTO	SAE 50	0	50	32	122
Cat TDTO-TMS	TDTO-TMS	-25	25	-13	77
Track Idlers and Track Rollers					
Cat DEO-ULS SYN	SAE 5W-40	-35	40	-31	104

Lubricants - Mini Hex

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Differentials and Final Drives					
Cat GO SYN	SAE 75W-140	-30	45	-22	113
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122
Track Roller Frame Recoil Spring and Pivot Shaft Bearings					
Cat TDTO Cold Weather	SAE 0W-20	-4	0	-40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-20	25	-4	77
Cat TDTO	SAE 50	0	50	32	122
Cat TDTO-TMS	TDTO-TMS	-25	25	-13	77

Greases

Application Point: Axle Bearings, Belt Tensioner, Blade Linkage, Boom and Stick Linkage, Boom Cylinder Bearing, Boom Cylinder Head, Cab Riser, Drive Shaft Support Bearing, Fan Drive Bearing, Steering Linkage, Stick Linkage, Swing Bearings, Swing Drive Gear, Swing Frame

(Continued)

Greases (Continued)

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Most pipeline applications in hard rocky material. Digging 90-95% of the daily work schedule.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	Most residential sewer applications in natural bed clay. Digging 60-85% of the daily work schedule. Most log loading applications.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Most utility, urban aplications in sandy loam. Digging less than 50% of the daily work schedule. Scrap handling applications.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

M312

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
5HK25500-UP (Engine)			
Engine Oil	1	7W-2326	7W-2326
Fuel Secondary	1	159-6102	159-6102
6TL1-409			
Air - Cab	1	145-4086	145-4086
Air - Cab	1	145-4088	145-4088
Air - Cab Recirculation	1	122-5873	122-5873
Air Primary	1	110-6326	110-6326
Air Secondary	1	110-6331	110-6331
Fuel - FWS	1	138-3100	138-3100
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	109-7293	109-7293

Description	Qty.	Part Number	STND
6TL410-UP			
Air - Cab	1	145-4086	145-4086
Air - Cab	1	145-4088	145-4088
Air - Cab Recirculation	1	122-5873	122-5873
Air Primary	1	110-6326	110-6326
Air Secondary	1	110-6331	110-6331
Fuel - FWS	1	138-3100	138-3100
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289

(Continued)

M312 (Continued)

Description	Qty.	Part Number	STND
7BJ1-UP (Engine)			
Air - Cab	1	170-7272	170-7272
Air - Cab Recir-culation	1	206-7514	206-7514
Air Primary	1	206-5234	206-5234
Air Secondary	1	206-5235	206-5235
Engine Oil	1	7W-2326	7W-2326

Description	Qty.	Part Number	STND
9RM1-UP (Engine)			
Engine Oil	1	7W-2326	7W-2326
Fuel - FWS	1	138-3100	138-3100
Fuel Secondary	1	159-6102	159-6102

M313C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
BDR1-214			
Air - Cab	1	4I-1278	4I-1278
Air - Cab	1	185-8154	185-8154
Air Primary	1	222-9020	222-9020
Air Secondary	1	222-9021	222-9021
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800
BDR215-UP, H2A1-UP			
Air - Cab	1	4I-1278	4I-1278
Air - Cab	1	185-8154	185-8154
Air Primary	1	222-9020	222-9020
Air Secondary	1	222-9021	222-9021
Fuel - FWS	1	1R-1804	1R-1804
Hydraulic	1	109-7287	109-7287

Description	Qty.	Part Number	STND
BDR215-UP, H2A1-UP (Continued)			
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800
CRX1-1016 (Engine)			
Engine Oil - Cartridge	1	1R-1801	1R-1801
Fuel - FWS	1	1R-1804	1R-1804
CRX1017-4709 (Engine)			
Engine Oil - Cartridge	1	1R-1801	1R-1801
CRX4710-UP (Engine)			
Engine Oil	1	7W-2326	7W-2326

M313D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
C4E1-UP (Engine)			
Fuel Primary	1	309-0860	309-0860
Engine Oil	1	7W-2326	7W-2326
Fuel - FWS	1	308-7298	308-7298
Fuel - UHE	1	299-8229	--
W3H1-4999			
Air - Cab	1	4I-1278	4I-1278
Air	1	245-7823	245-7823
Air Primary	1	252-5001	252-5001
Air Secondary	1	252-5002	252-5002
Fuel - FWS	1	308-7298	308-7298
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289

Description	Qty.	Part Number	STND
W3H1-4999 (Continued)			
Hydraulic	1	229-2800	229-2800
W3H5000-UP			
Air - Cab	1	305-0329	305-0329
Air - Cab	1	4I-1278	4I-1278
Air	1	245-7823	245-7823
Air Primary	1	252-5001	252-5001
Air Secondary	1	252-5002	252-5002
Fuel - FWS	1	308-7298	308-7298
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800

M315

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
5HK22000-UP (Engine)			
Engine Oil	1	7W-2326	7W-2326
Fuel Secondary	1	159-6102	159-6102
7BJ1-UP (Engine)			
Air - Cab	1	170-7272	170-7272
Air - Cab Recir-culation	1	206-7514	206-7514
Air Primary	1	206-5234	206-5234
Air Secondary	1	206-5235	206-5235
Engine Oil	1	7W-2326	7W-2326
7ML1-859			
Air - Cab	1	145-4086	145-4086
Air - Cab	1	145-4088	145-4088
Air - Cab Recir-culation	1	122-5873	122-5873
Air Primary	1	110-6326	110-6326
Air Secondary	1	110-6331	110-6331
Fuel - FWS	1	138-3100	138-3100
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289

Description	Qty.	Part Number	STND
7ML1-859 (Continued)			
Hydraulic	1	109-7293	109-7293
7ML860-UP			
Air - Cab	1	145-4086	145-4086
Air - Cab	1	145-4088	145-4088
Air - Cab Recir-culation	1	122-5873	122-5873
Air Primary	1	110-6326	110-6326
Air Secondary	1	110-6331	110-6331
Fuel - FWS	1	138-3100	138-3100
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
9RM1-UP (Engine)			
Engine Oil	1	7W-2326	7W-2326
Fuel - FWS	1	138-3100	138-3100
Fuel Secondary	1	159-6102	159-6102

M315C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
BDM1-424			
Air - Cab	1	4I-1278	4I-1278
Air - Cab	1	185-8154	185-8154
Air Primary	1	222-9020	222-9020
Air Secondary	1	222-9021	222-9021
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800
BDM425-UP, H2B1-UP			
Air - Cab	1	4I-1278	4I-1278
Air - Cab	1	185-8154	185-8154
Air Primary	1	222-9020	222-9020
Air Secondary	1	222-9021	222-9021
Fuel - FWS	1	1R-1804	1R-1804
Hydraulic	1	109-7287	109-7287

Description	Qty.	Part Number	STND
BDM425-UP, H2B1-UP (Continued)			
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800
CRX1-1016 (Engine)			
Engine Oil - Cartridge	1	1R-1801	1R-1801
Fuel - FWS	1	1R-1804	1R-1804
CRX1017-4709 (Engine)			
Engine Oil - Cartridge	1	1R-1801	1R-1801
CRX4710-UP (Engine)			
Engine Oil	1	7W-2326	7W-2326

M315D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
C4E1-UP (Engine)			
Engine Oil	1	7W-2326	7W-2326
Fuel - FWS	1	308-7298	308-7298
Fuel - UHE	1	299-8229	--
Fuel Primary	1	309-0860	309-0860
W5M1-4999			
Air - Cab	1	4I-1278	4I-1278
Air	1	245-7823	245-7823
Air Primary	1	252-5001	252-5001
Air Secondary	1	252-5002	252-5002
Fuel - FWS	1	308-7298	308-7298
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289

Description	Qty.	Part Number	STND
W5M1-4999 (Continued)			
Hydraulic	1	229-2800	229-2800
W5M5000-UP			
Air - Cab	1	4I-1278	4I-1278
Air - Cab	1	305-0329	305-0329
Air	1	245-7823	245-7823
Air Primary	1	252-5001	252-5001
Air Secondary	1	252-5002	252-5002
Fuel - FWS	1	308-7298	308-7298
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800

M316C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
BDX1-UP			
Air - Cab	1	4I-1278	4I-1278
Air - Cab	1	185-8154	185-8154
Air Primary	1	152-7217	152-7217
Air Primary	1	222-9020	222-9020
Air Secondary	1	222-9021	222-9021
Air Secondary	1	152-7219	152-7219
Fuel - FWS	1	138-3100	138-3100
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800

Description	Qty.	Part Number	STND
H2C1-UP			
Air - Cab	1	4I-1278	4I-1278
Air - Cab	1	185-8154	185-8154
Air Primary	1	222-9020	222-9020
Air Secondary	1	222-9021	222-9021
Fuel - FWS	1	138-3100	138-3100
Hydraulic	1	109-7287	109-7287
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800

M316D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
C6E1-UP (Engine)				
Engine Oil	1	269-8325	269-8325	--
Fuel - FWS	1	308-7298	308-7298	--
Fuel - UHE	1	319-0844	--	319-0844
Fuel - UHE	1	299-8229	--	299-8229
Fuel Secondary - UHE	1	306-9199	--	306-9199

Description	Qty.	Part Number	STND	UHE[1]
W6A1-4999				
Air - Cab	1	4I-1278	4I-1278	--
Air	1	245-7823	245-7823	--
Air Primary	1	252-5001	252-5001	--
Air Secondary	1	252-5002	252-5002	--
Hydraulic	1	109-7287	109-7287	--
Hydraulic	1	8U-0723	8U-0723	--
Hydraulic	1	109-7289	109-7289	--

(Continued)

M316D (Continued)

Description	Qty.	Part Number	STND	UHE[1]
W6A1-4999 (Continued)				
Hydraulic	1	229-2800	229-2800	--
W6A5000-UP				
Air - Cab	1	305-0329	305-0329	--
Air - Cab	1	4I-1278	4I-1278	--
Air	1	245-7823	245-7823	--
Air Primary	1	252-5001	252-5001	--

Description	Qty.	Part Number	STND	UHE[1]
W6A5000-UP (Continued)				
Air Secondary	1	252-5002	252-5002	--
Hydraulic	1	109-7287	109-7287	--
Hydraulic	1	8U-0723	8U-0723	--
Hydraulic	1	109-7289	109-7289	--
Hydraulic	1	229-2800	229-2800	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

M318

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF14681-30736 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF30737-48995 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF48996-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6ES1-226						
Air	1	8U-6669	8U-6669	--	--	--
Air - Cab	1	145-4086	145-4086	--	--	--
Air - Cab	1	145-4088	145-4088	--	--	--
Air - Cab Recirculation	1	122-5873	122-5873	--	--	--
Air Secondary	1	8T-7463	8T-7463	--	--	--
Hydraulic	1	109-7287	109-7287	--	--	--
Hydraulic	1	8U-0723	8U-0723	--	--	--
Hydraulic	1	109-7289	109-7289	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	109-7293	109-7293	--	--	--
6ES227-228						
Air - Cab	1	145-4086	145-4086	--	--	--
Air - Cab	1	145-4088	145-4088	--	--	--
Air - Cab Recirculation	1	122-5873	122-5873	--	--	--
Air Primary	1	8T-7462	8T-7462	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6ES227-228 (Continued)						
Air Secondary	1	8T-7463	8T-7463	--	--	--
Hydraulic	1	109-7287	109-7287	--	--	--
Hydraulic	1	8U-0723	8U-0723	--	--	--
Hydraulic	1	109-7289	109-7289	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	109-7293	109-7293	--	--	--
6ES229-UP						
Air - Cab	1	145-4086	145-4086	--	--	--
Air - Cab	1	145-4088	145-4088	--	--	--
Air - Cab Recirculation	1	122-5873	122-5873	--	--	--
Air Primary	1	8T-7462	8T-7462	--	--	--
Air Secondary	1	8T-7463	8T-7463	--	--	--
Hydraulic	1	109-7287	109-7287	--	--	--
Hydraulic	1	8U-0723	8U-0723	--	--	--
Hydraulic	1	109-7289	109-7289	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
8AL1-642						
Air	1	8U-6669	8U-6669	--	--	--
Air - Cab	1	145-4086	145-4086	--	--	--
Air - Cab	1	145-4088	145-4088	--	--	--
Air - Cab Recirculation	1	122-5873	122-5873	--	--	--
Air Secondary	1	8T-7463	8T-7463	--	--	--
Hydraulic	1	109-7287	109-7287	--	--	--
Hydraulic	1	109-7289	109-7289	--	--	--
Hydraulic	1	109-7293	109-7293	--	--	--
8AL643-1019						
Air	1	8U-6669	8U-6669	--	--	--
Air - Cab	1	145-4086	145-4086	--	--	--
Air - Cab	1	145-4088	145-4088	--	--	--

(Continued)

M318 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8AL643-1019 (Continued)						
Air - Cab Re-circulation	1	122-5873	122-5873	--	--	--
Air Secondary	1	8T-7463	8T-7463	--	--	--
Hydraulic	1	109-7287	109-7287	--	--	--
Hydraulic	1	8U-0723	8U-0723	--	--	--
Hydraulic	1	109-7289	109-7289	--	--	--
Hydraulic	1	109-7293	109-7293	--	--	--
8AL1020-1026						
Air	1	8U-6669	8U-6669	--	--	--
Air - Cab	1	145-4086	145-4086	--	--	--
Air - Cab	1	145-4088	145-4088	--	--	--
Air - Cab Re-circulation	1	122-5873	122-5873	--	--	--
Air Secondary	1	8T-7463	8T-7463	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8AL1020-1026 (Continued)						
Hydraulic	1	109-7287	109-7287	--	--	--
Hydraulic	1	8U-0723	8U-0723	--	--	--
Hydraulic	1	109-7289	109-7289	--	--	--
8AL1027-UP, 8SS1-UP						
Air - Cab	1	145-4086	145-4086	--	--	--
Air - Cab	1	145-4088	145-4088	--	--	--
Air - Cab Re-circulation	1	122-5873	122-5873	--	--	--
Air Primary	1	8T-7462	8T-7462	--	--	--
Air Secondary	1	8T-7463	8T-7463	--	--	--
Hydraulic	1	109-7287	109-7287	--	--	--
Hydraulic	1	8U-0723	8U-0723	--	--	--
Hydraulic	1	109-7289	109-7289	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

M318C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
BCZ1-UP			
Air - Cab	1	4I-1278	4I-1278
Air - Cab	1	185-8154	185-8154
Air Primary	1	152-7217	152-7217
Air Primary	1	222-9020	222-9020
Air Secondary	1	222-9021	222-9021
Air Secondary	1	152-7219	152-7219
Fuel - FWS	1	138-3100	138-3100
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800
Hydraulic - UHE	1	137-7249	--

Description	Qty.	Part Number	STND
BEB1-UP, H2D1-UP, H2F1-UP			
Air - Cab	1	4I-1278	4I-1278
Air - Cab	1	185-8154	185-8154
Air Primary	1	222-9020	222-9020
Air Secondary	1	222-9021	222-9021
Fuel - FWS	1	138-3100	138-3100
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800
Hydraulic - UHE	1	137-7249	--

M318D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
C6E1-UP (Engine)				
Engine Oil	1	269-8325	269-8325	--
Fuel - FWS	1	308-7298	308-7298	--
Fuel - UHE	1	319-0844	--	319-0844
Fuel - UHE	1	299-8229	--	299-8229
Fuel Secondary - UHE	1	306-9199	--	306-9199

Description	Qty.	Part Number	STND	UHE[1]
W8P1-4999, W8R1-4999				
Air - Cab	1	4I-1278	4I-1278	--
Air	1	245-7823	245-7823	--
Air Primary	1	252-5001	252-5001	--
Air Secondary	1	252-5002	252-5002	--
Hydraulic	1	8U-0723	8U-0723	--
Hydraulic	1	109-7289	109-7289	--
Hydraulic	1	229-2800	229-2800	--

(Continued)

M318D (Continued)

Description	Qty.	Part Number	STND	UHE[1]
W8P1-4999, W8R1-4999 (Continued)				
Hydraulic - UHE	1	137-7249	--	137-7249
W8P5000-UP, W8R5000-UP				
Air - Cab	1	305-0329	305-0329	--
Air - Cab	1	4I-1278	4I-1278	--
Air	1	245-7823	245-7823	--
Air Primary	1	252-5001	252-5001	--

Description	Qty.	Part Number	STND	UHE[1]
W8P5000-UP, W8R5000-UP (Continued)				
Air Secondary	1	252-5002	252-5002	--
Hydraulic	1	8U-0723	8U-0723	--
Hydraulic	1	109-7289	109-7289	--
Hydraulic	1	229-2800	229-2800	--
Hydraulic - UHE	1	137-7249	--	137-7249

[1] Please see the Filter Upgrade information at the end of this section for additional details.

M320

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF18221-30736 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF30737-48995 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF48996-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6WL1-UP						
Air - Cab	1	145-4086	145-4086	--	--	--
Air - Cab	1	145-4088	145-4088	--	--	--
Air - Cab Recirculation	1	122-5873	122-5873	--	--	--
Air Primary	1	8T-7462	8T-7462	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6WL1-UP (Continued)						
Air Secondary	1	8T-7463	8T-7463	--	--	--
Hydraulic	1	8U-0723	8U-0723	--	--	--
Hydraulic	1	109-7289	109-7289	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	137-7249	--	--	137-7249	--
9PS1-UP						
Air - Cab	1	145-4086	145-4086	--	--	--
Air - Cab	1	145-4088	145-4088	--	--	--
Air - Cab Recirculation	1	122-5873	122-5873	--	--	--
Air Primary	1	8T-7462	8T-7462	--	--	--
Air Secondary	1	8T-7463	8T-7463	--	--	--
Hydraulic	1	8U-0723	8U-0723	--	--	--
Hydraulic	1	109-7289	109-7289	--	--	--
Hydraulic - UHE	1	137-7249	--	--	137-7249	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

M322C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

M322C (Continued)

Description	Qty.	Part Number	STND
BDK1-UP, BDY1-UP			
Air - Cab	1	4I-1278	4I-1278
Air - Cab	1	185-8154	185-8154
Air Primary	1	152-7217	152-7217
Air Primary	1	222-9020	222-9020
Air Secondary	1	222-9021	222-9021
Air Secondary	1	152-7219	152-7219
Fuel - FWS	1	138-3100	138-3100
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800
Hydraulic - UHE	1	137-7249	--

Description	Qty.	Part Number	STND
H2E1-UP, H2G1-UP			
Air - Cab	1	4I-1278	4I-1278
Air - Cab	1	185-8154	185-8154
Air Primary	1	222-9020	222-9020
Air Secondary	1	222-9021	222-9021
Fuel - FWS	1	138-3100	138-3100
Hydraulic	1	8U-0723	8U-0723
Hydraulic	1	109-7289	109-7289
Hydraulic	1	229-2800	229-2800
Hydraulic - UHE	1	137-7249	--

M322D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
C6E1-UP (Engine)				
Engine Oil	1	269-8325	269-8325	--
Fuel - FWS	1	308-7298	308-7298	--
Fuel - UHE	1	319-0844	--	319-0844
Fuel - UHE	1	299-8229	--	299-8229
Fuel Secondary - UHE	1	306-9199	--	306-9199
W2S1-4999, W2T1-4999				
Air - Cab	1	4I-1278	4I-1278	--
Air	1	245-7823	245-7823	--
Air Primary	1	252-5001	252-5001	--
Air Secondary	1	252-5002	252-5002	--
Hydraulic	1	8U-0723	8U-0723	--
Hydraulic	1	109-7289	109-7289	--

Description	Qty.	Part Number	STND	UHE[1]
W2S1-4999, W2T1-4999 (Continued)				
Hydraulic	1	229-2800	229-2800	--
Hydraulic - UHE	1	137-7249	--	137-7249
W2S5000-UP, W2T5000-UP				
Air - Cab	1	4I-1278	4I-1278	--
Air - Cab	1	305-0329	305-0329	--
Air	1	245-7823	245-7823	--
Air Primary	1	252-5001	252-5001	--
Air Secondary	1	252-5002	252-5002	--
Hydraulic	1	8U-0723	8U-0723	--
Hydraulic	1	109-7289	109-7289	--
Hydraulic	1	229-2800	229-2800	--
Hydraulic - UHE	1	137-7249	--	137-7249

[1] Please see the Filter Upgrade information at the end of this section for additional details.

M325B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

M325B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z31257-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
BGN1-244						
Air - Cab	1	4I-1278	4I-1278	--	--	--
Air - Cab	1	108-0688	108-0688	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813	--
Hydraulic - UHE	1	126-1815	--	--	126-1815	121-9868
Oil	1	093-7521	093-7521	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BGN1-244 (Continued)						
Power Train	1	193-7477	193-7477	--	--	--
Power Train - Cartridge	1	180-0850	180-0850	--	--	--
BGN245-UP						
Air - Cab	1	4I-1278	4I-1278	--	--	--
Air - Cab	1	108-0688	108-0688	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813	--
Hydraulic - UHE	1	126-1815	--	--	126-1815	121-9868
Oil	1	093-7521	093-7521	--	--	--
Power Train	1	193-7477	193-7477	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

M325C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BMA1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
PAN1-UP, XJA1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
PAN1-UP, XJA1-UP (Continued)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	109-7289	109-7289	--	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

M325D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

M325D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
C7C1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
EDF1-1999, KAY1-1999, KGG1-1999					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	109-7289	109-7289	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
EDF2000-UP, KGG2000-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
EDF2000-UP, KGG2000-UP (Continued)					
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	109-7289	109-7289	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
KAY2000-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	109-7289	109-7289	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
KHX15600-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344

[1] Please see the Filter Upgrade information at the end of this section for additional details.

M330D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KRE1-UP, MBR1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	109-7289	109-7289	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KRE1-UP, MBR1-UP (Continued)					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
THY1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

W330B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

W330B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6NC1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary	1	1R-1712	1R-1712	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
AME1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

W345B II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7ZR1-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
ANJ1-UP, CDY1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	106-3969	106-3969	--	132-7168

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
ANJ1-UP, CDY1-UP (Continued)					
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

W345C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MHX300-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
R5K1-UP						
Air - Cab	1	305-0329	305-0329	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
R5K1-UP (Continued)						
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

215

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
10X6424-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
12Z1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
14Z1-UP, 61Z1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

[1] Please see the Filter Upgrade information at the end of this section for additional details.

215B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
12Z6564-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
2XC1-UP, 4JC1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V38841-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

225

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
12Z1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
51U188-1302						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
51U1303-1504						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
51U1505-UP, 61X1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
79V3594-8492 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
79V8493-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

225B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
12Z1-UP (Engine)						
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2ZD1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
79V14935-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

225D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
12Z32562-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
2SJ1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2SJ1-UP (Continued)						
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
79V19500-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

229

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

229 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
12Z1-UP (Engine)						
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1GF1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
79V14935-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

231D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1NK1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
79V19500-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

235

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z1629-21659 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
08Z21660-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
13Z1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
32K1-UP, 81X1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
62X1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

[1] Please see the Filter Upgrade information at the end of this section for additional details.

235B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z30441-UP, 13Z10595-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
10Z41091-UP, 6NC22835-33658 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1FD1-UP, 7WC1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC48-18890 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
6NC18891-22834 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
6NC33659-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

235C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z41870-63864 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z63865-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
10Z41091-UP, 6NC22835-33658 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
3WG1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
5AF1-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5AF1-UP (Continued)						
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
6NC48-18890 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
6NC18891-22834 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
6NC33659-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

235D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z66174-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
10Z41091-UP, 6NC22835-33658 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
6NC48-18890 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC18891-22834 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
6NC33659-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
8KJ1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

[1] Please see the Filter Upgrade information at the end of this section for additional details.

245

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
70V4262-8758 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
70V8759-17848 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
70V17849-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
82X1-UP, 95V280-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
95V1-279						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

[1] Please see the Filter Upgrade information at the end of this section for additional details.

245B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

245B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6MF1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
70V26356-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

245B II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6MF1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

[1] Please see the Filter Upgrade information at the end of this section for additional details.

245D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N2781-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
4LK1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

[1] Please see the Filter Upgrade information at the end of this section for additional details.

301.5

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3YW1-UP						
Air - Cab	1	146-6388	146-6388	--	--	--
Air Primary	1	146-7472	146-7472	--	--	--
Engine Oil	1	150-4140	150-4140	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	149-4533	149-4533	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3YW1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5DW1-1790 (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
5DW1791-UP (Engine)						
Engine Oil	1	150-4140	150-4140	--	--	--
Engine Oil	1	220-1523	220-1523	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

302.5

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4AZ1-UP					
Air - Cab	1	146-6388	146-6388	--	--
Air Primary	1	146-7472	146-7472	--	--
Air Secondary	1	146-7473	146-7473	--	--
Engine Oil	1	150-4140	150-4140	--	--
Fuel Primary	1	156-1200	156-1200	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4ZW1-UP (Engine)					
Engine Oil	1	220-1523	220-1523	--	--
Engine Oil	1	150-4140	150-4140	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

303C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
AZS1-UP			
Air	2	284-5686	284-5686
BXT1-UP			
Air	2	284-5686	284-5686
Air Primary	1	146-7472	146-7472
Air Secondary	1	146-7473	146-7473

Description	Qty.	Part Number	STND
BXT1-UP (Continued)			
Engine Oil	1	120-0664	120-0664
Fuel Primary	1	156-1200	156-1200
Hydraulic	1	304-7196	304-7196
Hydraulic	1	217-2456	217-2456

304C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

304C (Continued)

Description	Qty.	Part Number	STND
ENW1-UP			
Air	2	284-5686	284-5686
FPK1-2192			
Air	2	284-5686	284-5686
Air Primary	1	146-7472	146-7472
Air Secondary	1	146-7473	146-7473
Engine Oil	1	120-0664	120-0664
Fuel Primary	1	156-1200	156-1200
Hydraulic	1	217-2456	217-2456
Hydraulic	1	304-7195	304-7195
Power Train	1	279-1353	279-1353

Description	Qty.	Part Number	STND
FPK2193-UP			
Air	2	284-5686	284-5686
Air Primary	1	146-7472	146-7472
Air Secondary	1	146-7473	146-7473
Engine Oil	1	120-0664	120-0664
Fuel Primary	1	156-1200	156-1200
Hydraulic	1	217-2456	217-2456
Hydraulic	1	304-7195	304-7195

305C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
GYZ1-UP			
Air	2	284-5686	284-5686
HWJ1-UP			
Air	2	284-5686	284-5686
Air Primary	1	134-8726	134-8726
Air Secondary	1	140-2334	140-2334

Description	Qty.	Part Number	STND
HWJ1-UP (Continued)			
Engine Oil	1	120-0664	120-0664
Fuel Primary	1	156-1200	156-1200
Hydraulic	1	217-2456	217-2456
Hydraulic	1	304-7195	304-7195
Power Train	1	279-1353	279-1353

306

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
MXH1-UP			
Air - Cab A/C	2	150-2128	150-2128
Air Primary	1	134-8726	134-8726
Engine Oil	1	1R-0714	1R-0714

Description	Qty.	Part Number	STND
MXH1-UP (Continued)			
Engine Oil	1	200-3259	200-3259
Fuel Primary	1	183-8187	183-8187
Hydraulic	1	217-2456	217-2456

307

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
2WM1-UP			
Air - Cab Recir-culation	1	120-7448	120-7448
Air Primary	1	110-6326	110-6326
Air Secondary	1	110-6331	110-6331
Fuel - FWS	1	138-3100	138-3100
Hydraulic	1	093-5369	093-5369
Hydraulic	1	5I-8670	5I-8670

Description	Qty.	Part Number	STND
5HK12000-UP (Engine)			
Engine Oil	1	7W-2326	7W-2326
Fuel Secondary	1	159-6102	159-6102
9RM1-UP (Engine)			
Engine Oil	1	7W-2326	7W-2326
Fuel - FWS	1	138-3100	138-3100
Fuel Secondary	1	159-6102	159-6102

307B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
AFB1-UP			
Air - Cab	1	4I-1278	4I-1278
Air - Cab Recir-culation	1	120-7448	120-7448
Air Primary	1	134-8726	134-8726

Description	Qty.	Part Number	STND
AFB1-UP (Continued)			
Air Secondary	1	140-2334	140-2334
Engine Oil	1	194-9983	194-9983
Hydraulic	1	093-5369	093-5369
Hydraulic	1	5I-8670	5I-8670

307C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
BAJ1-UP, BMF1-UP			
Fuel Primary	1	183-8187	183-8187
BCM1-UP, BNE1-UP			
Air	1	305-0367	305-0367
Air - Cab	1	4I-1278	4I-1278
Air Primary	1	134-8726	134-8726

Description	Qty.	Part Number	STND
BCM1-UP, BNE1-UP (Continued)			
Engine Oil	1	200-3259	200-3259
Engine Oil	1	1R-0714	1R-0714
Fuel Primary	1	183-8187	183-8187
Hydraulic	1	093-5369	093-5369
Hydraulic	1	5I-8670	5I-8670

307D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
DSG1-UP			
Air - Cab	1	305-0329	305-0329
Air	1	245-7823	245-7823
Air Primary	1	134-8726	134-8726
Air Secondary	1	140-2334	140-2334

Description	Qty.	Part Number	STND
DSG1-UP (Continued)			
Engine Oil	1	200-3259	200-3259
Engine Oil	1	1R-0714	1R-0714
Fuel - FWS	1	233-9856	233-9856
Hydraulic	1	5I-8670	5I-8670

308C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
KCX1-UP			
Air - Cab	1	229-9157	229-9157
Air - Cab	1	284-4568	284-4568
Air - Cab	1	229-9047	229-9047
Air - Cab Recir-culation	1	207-0105	207-0105
Air Primary	1	134-8726	134-8726

Description	Qty.	Part Number	STND
KCX1-UP (Continued)			
Air Secondary	1	140-2334	140-2334
Engine Oil	1	200-3259	200-3259
Engine Oil	1	1R-0714	1R-0714
Fuel Primary	1	183-8187	183-8187
Hydraulic	1	093-5369	093-5369
Hydraulic	1	5I-8670	5I-8670

308D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
FYC1-369, GBT1-213			
Air - Cab	1	284-4496	284-4496
Air Primary	1	134-8726	134-8726
Air Secondary	1	140-2334	140-2334
Engine Oil	1	1R-0714	1R-0714
Fuel - FWS	1	233-9856	233-9856
Hydraulic	1	5I-8670	5I-8670
Hydraulic	1	310-1252	310-1252

Description	Qty.	Part Number	STND
FYC370-UP, GBT214-UP			
Air - Cab	1	327-6618	327-6618
Air - Cab	1	284-4496	284-4496
Air Primary	1	134-8726	134-8726
Air Secondary	1	140-2334	140-2334
Engine Oil	1	1R-0714	1R-0714
Fuel - FWS	1	233-9856	233-9856
Hydraulic	1	310-1252	310-1252
Hydraulic	1	5I-8670	5I-8670

311C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6LK1-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
CKE1-1287					
Air	1	305-0367	305-0367	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Primary	1	108-0671	108-0671	--	--
Air Secondary	1	131-8903	131-8903	--	--
Air Secondary	1	108-0672	108-0672	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CKE1288-UP, PAD1-UP					
Air	1	305-0367	305-0367	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Primary	1	108-0671	108-0671	--	--
Air Secondary	1	131-8903	131-8903	--	--
Air Secondary	1	108-0672	108-0672	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
CLK1-UP					
Air Primary	1	131-8902	131-8902	--	--
Air Primary	1	108-0671	108-0671	--	--
Air Secondary	1	108-0672	108-0672	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

311D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

311D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CLA1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Primary	1	108-0671	108-0671	--	--
Air Secondary	1	108-0672	108-0672	--	--
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
DDW1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DDW1-UP (Continued)					
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
DWR1-UP, LKA1-UP, PNJ1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
JKH1-UP (Engine)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

312

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
5HK6900-UP (Engine)				
Engine Oil	1	7W-2326	7W-2326	--
Fuel Secondary	1	159-6102	159-6102	--
6BL1-UP				
Air - Cab	1	4I-1278	4I-1278	--
Air - Cab	1	108-0688	108-0688	--
Air Primary	1	110-6326	110-6326	--
Air Secondary	1	110-6331	110-6331	--
Fuel - FWS	1	138-3100	138-3100	--

Description	Qty.	Part Number	STND	UHE[1]
6BL1-UP (Continued)				
Hydraulic	1	5I-8670	5I-8670	--
Hydraulic	1	094-3229	094-3229	139-1539
9RM1-UP (Engine)				
Engine Oil	1	7W-2326	7W-2326	--
Fuel - FWS	1	138-3100	138-3100	--
Fuel Secondary	1	159-6102	159-6102	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

312B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

312B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2KW1-UP, 6SW1-UP, 9FS1-UP, 9NW1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Secondary	1	110-6331	110-6331	--	--
Fuel - FWS	1	138-3100	138-3100	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5HK1-UP (Engine)					
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel	1	147-6543	147-6543	--	--
Fuel Secondary	1	159-6102	159-6102	--	--
7BJ1-UP (Engine)					
Air - Cab	1	170-7272	170-7272	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--
Air Primary	1	206-5234	206-5234	--	--
Air Secondary	1	206-5235	206-5235	--	--
Engine Oil	1	7W-2326	7W-2326	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

312C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6LK1-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
7BJ1-UP (Engine)					
Engine Oil	1	7W-2326	7W-2326	--	--
BNN1-366, CBT1-599					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Primary	1	108-0671	108-0671	--	--
Air Secondary	1	110-6331	110-6331	--	--
Air Secondary	1	108-0672	108-0672	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
BNN367-UP, CBT600-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Primary	1	108-0671	108-0671	--	--
Air Secondary	1	110-6331	110-6331	--	--
Air Secondary	1	108-0672	108-0672	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BNN367-UP, CBT600-UP (Continued)					
Oil	1	093-7521	093-7521	--	--
BWH1-UP, DBN1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Secondary	1	110-6331	110-6331	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
CBA1-2058, FDS1-351					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Primary	1	108-0671	108-0671	--	--
Air Secondary	1	131-8903	131-8903	--	--
Air Secondary	1	108-0672	108-0672	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
CBA2059-UP, FDS352-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Primary	1	108-0671	108-0671	--	--

(Continued)

312C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CBA2059-UP, FDS352-UP (Continued)					
Air Secondary	1	108-0672	108-0672	--	--
Air Secondary	1	131-8903	131-8903	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CBA2059-UP, FDS352-UP (Continued)					
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

312D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DLP1-UP, HCW1-UP, JBC1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Primary	1	108-0671	108-0671	--	--
Air Secondary	1	108-0672	108-0672	--	--
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
HJX1-248, KCD1-268					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Secondary	1	110-6331	110-6331	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
HJX249-UP, KCD269-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Secondary	1	110-6331	110-6331	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
JKH1-UP (Engine)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
KES1-UP, RHL1-UP, XGK1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Primary	1	108-0671	108-0671	--	--
Air Secondary	1	108-0672	108-0672	--	--
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
LRK1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	305-0329	305-0329	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
PHH1-UP, RKF1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Secondary	1	110-6331	110-6331	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

(Continued)

312D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
SKA1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
TGY1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

313B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
BAS1-UP				
Air - Cab A/C	2	150-2128	150-2128	--
Air Primary	1	6I-6434	6I-6434	--
Hydraulic	1	185-9158	185-9158	--

Description	Qty.	Part Number	STND	UHE[1]
BAS1-UP (Continued)				
Hydraulic	1	5I-8670	5I-8670	--
Hydraulic	1	094-3229	094-3229	139-1539

[1] Please see the Filter Upgrade information at the end of this section for additional details.

314C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6LK1-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
KJA1-124, PCA1-208					
Air - Cab Recirculation	1	207-0105	207-0105	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
KJA125-157					
Air - Cab	1	229-9157	229-9157	--	--
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	229-9047	229-9047	--	--
Air Primary	1	131-8902	131-8902	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KJA125-157 (Continued)					
Air Secondary	1	131-8903	131-8903	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
KJA158-UP, SNY1-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	229-9157	229-9157	--	--
Air - Cab	1	229-9047	229-9047	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

(Continued)

314C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
PCA209-474					
Air - Cab	1	229-9157	229-9157	--	--
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	229-9047	229-9047	--	--
Air - Cab Recir-culation	1	207-0105	207-0105	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
PCA475-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	229-9157	229-9157	--	--
Air - Cab	1	229-9047	229-9047	--	--
Air - Cab Recir-culation	1	207-0105	207-0105	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

314D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BYJ1-UP, PDP1-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	284-4496	284-4496	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
JKH1-UP (Engine)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
SBP1-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	284-4496	284-4496	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
SSZ1-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	131-8902	131-8902	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
SSZ1-UP (Continued)					
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
TXN1-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
WLN1-UP, XHR1-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	131-8902	131-8902	--	--
Air Secondary	1	131-8903	131-8903	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--

(Continued)

314D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
WLN1-UP, XHR1-UP (Continued)					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

315

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
3ZM1-419				
Air - Cab	1	4I-1278	4I-1278	--
Air - Cab	1	108-0688	108-0688	--
Air Primary	1	110-6326	110-6326	--
Air Secondary	1	110-6331	110-6331	--
Fuel - FWS	1	138-3100	138-3100	--
Hydraulic	1	5I-8670	5I-8670	--
Hydraulic	1	094-3229	094-3229	139-1539
3ZM420-UP				
Air - Cab	1	4I-1278	4I-1278	--
Air - Cab	1	108-0688	108-0688	--
Air Primary	1	110-6326	110-6326	--
Air Secondary	1	110-6331	110-6331	--

Description	Qty.	Part Number	STND	UHE[1]
3ZM420-UP (Continued)				
Hydraulic	1	5I-8670	5I-8670	--
Hydraulic	1	094-3229	094-3229	139-1539
5HK12000-UP (Engine)				
Engine Oil	1	7W-2326	7W-2326	--
Fuel Secondary	1	159-6102	159-6102	--
9RM1-UP (Engine)				
Engine Oil	1	7W-2326	7W-2326	--
Fuel - FWS	1	138-3100	138-3100	--
Fuel Secondary	1	159-6102	159-6102	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

315B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5HK1-UP (Engine)					
Engine Oil	1	7W-2326	7W-2326	--	--
Fuel	1	147-6543	147-6543	--	--
Fuel Secondary	1	159-6102	159-6102	--	--
5SW1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	110-6326	110-6326	--	--
Air Secondary	1	110-6331	110-6331	--	--
Fuel - FWS	1	138-3100	138-3100	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5XK14000-UP (Engine)					
Fuel	1	5I-7951	5I-7951	--	--
7BJ1-UP (Engine)					
Air - Cab	1	170-7272	170-7272	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--
Air Primary	1	206-5234	206-5234	--	--
Air Secondary	1	206-5235	206-5235	--	--
Engine Oil	1	7W-2326	7W-2326	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

315C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5XK26900-UP (Engine)					
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
AKE1-UP, CJC1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	135-5788	135-5788	--	--
Air Primary	1	152-7217	152-7217	--	--
Air Secondary	1	152-7219	152-7219	--	--
Air Secondary	1	135-5787	135-5787	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
ANF1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	206-5234	206-5234	--	--
Air Secondary	1	206-5235	206-5235	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	1R-1804	1R-1804	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
ANF1-UP (Continued)					
Oil	1	093-7521	093-7521	--	--
CFB1-UP, CFT1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	135-5788	135-5788	--	--
Air Primary	1	152-7217	152-7217	--	--
Air Secondary	1	152-7219	152-7219	--	--
Air Secondary	1	135-5787	135-5787	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
CRX1-1016 (Engine)					
Fuel - FWS	1	1R-1804	1R-1804	--	--
MHK1-UP (Engine)					
Air Primary	1	180-5474	180-5474	--	--
Air Secondary	1	180-5475	180-5475	--	--
Engine Oil	1	1R-0734	1R-0734	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

315D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BYK1-UP					
Air	1	245-7823	245-7823	--	--
BZN1-UP, JGS1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	135-5788	135-5788	--	--
Air Primary	1	152-7217	152-7217	--	--
Air Secondary	1	152-7219	152-7219	--	--
Air Secondary	1	135-5787	135-5787	--	--
Engine Oil	1	266-7796	266-7796	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BZN1-UP, JGS1-UP (Continued)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
CJN1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--

(Continued)

315D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CJN1-UP (Continued)					
Air Primary	1	135-5788	135-5788	--	--
Air Primary	1	152-7217	152-7217	--	--
Air Secondary	1	152-7219	152-7219	--	--
Air Secondary	1	135-5787	135-5787	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
JHA1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	305-0329	305-0329	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
JKH1-UP (Engine)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
KBD1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	135-5788	135-5788	--	--
Air Secondary	1	135-5787	135-5787	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
NCM1-194					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	206-5234	206-5234	--	--
Air Secondary	1	206-5235	206-5235	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
NCM195-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Primary	1	206-5234	206-5234	--	--
Air Secondary	1	206-5235	206-5235	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
TLE1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	206-5234	206-5234	--	--
Air Secondary	1	206-5235	206-5235	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

317

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
4MM1-802				
Air - Cab	1	4I-1278	4I-1278	--
Air - Cab	1	108-0688	108-0688	--
Air Primary	1	110-6326	110-6326	--
Air Secondary	1	110-6331	110-6331	--
Fuel - FWS	1	138-3100	138-3100	--
Hydraulic	1	5I-8670	5I-8670	--
Hydraulic	1	094-3229	094-3229	139-1539

Description	Qty.	Part Number	STND	UHE[1]
4MM803-UP				
Air - Cab	1	4I-1278	4I-1278	--
Air - Cab	1	108-0688	108-0688	--
Air Primary	1	110-6326	110-6326	--
Air Secondary	1	110-6331	110-6331	--
Hydraulic	1	5I-8670	5I-8670	--
Hydraulic	1	094-3229	094-3229	139-1539

(Continued)

317 (Continued)

Description	Qty.	Part Number	STND	UHE[1]
5HK12000-UP (Engine)				
Engine Oil	1	7W-2326	7W-2326	--
Fuel Secondary	1	159-6102	159-6102	--
9RM1-UP (Engine)				
Engine Oil	1	7W-2326	7W-2326	--
Fuel - FWS	1	138-3100	138-3100	--
Fuel Secondary	1	159-6102	159-6102	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

317B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5XK484-UP (Engine)					
Fuel	1	5I-7951	5I-7951	--	--
6DZ1-UP, 9WW1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	135-5788	135-5788	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6DZ1-UP, 9WW1-UP (Continued)					
Air Secondary	1	135-5787	135-5787	--	--
Engine Oil	1	1R-0734	1R-0734	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

317N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]
5HK12000-UP (Engine)				
Engine Oil	1	7W-2326	7W-2326	--
Fuel Secondary	1	159-6102	159-6102	--
9RM1-UP (Engine)				
Engine Oil	1	7W-2326	7W-2326	--
Fuel - FWS	1	138-3100	138-3100	--
Fuel Secondary	1	159-6102	159-6102	--
9SR1-357				
Air - Cab	1	4I-1278	4I-1278	--
Air - Cab	1	108-0688	108-0688	--
Air Primary	1	110-6326	110-6326	--
Air Secondary	1	110-6331	110-6331	--
Fuel - FWS	1	138-3100	138-3100	--

Description	Qty.	Part Number	STND	UHE[1]
9SR1-357 (Continued)				
Hydraulic	1	5I-8670	5I-8670	--
Hydraulic	1	094-3229	094-3229	139-1539
9SR358-UP				
Air - Cab	1	4I-1278	4I-1278	--
Air - Cab	1	108-0688	108-0688	--
Air Primary	1	110-6326	110-6326	--
Air Secondary	1	110-6331	110-6331	--
Hydraulic	1	5I-8670	5I-8670	--
Hydraulic	1	094-3229	094-3229	139-1539

[1] Please see the Filter Upgrade information at the end of this section for additional details.

318B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

318B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3LR1-UP, 7KZ1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab Recir-culation	1	147-4851	147-4851	--	--
Air Primary	1	135-5788	135-5788	--	--
Air Secondary	1	135-5787	135-5787	--	--
Engine Oil	1	1R-0734	1R-0734	--	--
Fuel	1	5I-7951	5I-7951	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5XK9971-UP (Engine)					
Fuel	1	5I-7951	5I-7951	--	--
ADC1-UP, AEJ1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	135-5788	135-5788	--	--
Air Secondary	1	135-5787	135-5787	--	--
Engine Oil	1	1R-0734	1R-0734	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

318C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7JK1-UP (Engine)					
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel	1	5I-7951	5I-7951	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
BTG1-UP, DAH1-UP, FAA1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	206-5234	206-5234	--	--
Air Primary	1	152-7217	152-7217	--	--
Air Secondary	1	152-7219	152-7219	--	--
Air Secondary	1	206-5235	206-5235	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GPA1-329, MDY1-355					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	135-5788	135-5788	--	--
Air Primary	1	152-7217	152-7217	--	--
Air Secondary	1	152-7219	152-7219	--	--
Air Secondary	1	135-5787	135-5787	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
GPA330-UP, MDY356-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	135-5788	135-5788	--	--
Air Primary	1	152-7217	152-7217	--	--
Air Secondary	1	152-7219	152-7219	--	--
Air Secondary	1	135-5787	135-5787	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

319C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7JK1-UP (Engine)					
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel	1	5I-7951	5I-7951	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KGL1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	206-5234	206-5234	--	--
Air Primary	1	152-7217	152-7217	--	--
Air Secondary	1	152-7219	152-7219	--	--
Air Secondary	1	206-5235	206-5235	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

319D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BZH1-300, DAY1-214					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	206-5234	206-5234	--	--
Air Secondary	1	206-5235	206-5235	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
BZH301-UP, DAY215-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Primary	1	206-5234	206-5234	--	--
Air Secondary	1	206-5235	206-5235	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
EAW1-UP, FMH1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	135-5788	135-5788	--	--
Air Primary	1	152-7217	152-7217	--	--
Air Secondary	1	152-7219	152-7219	--	--
Air Secondary	1	135-5787	135-5787	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
JKH1-UP (Engine)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
KFM1-UP, ZCA1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	135-5788	135-5788	--	--
Air Primary	1	152-7217	152-7217	--	--

(Continued)

319D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KFM1-UP, ZCA1-UP (Continued)					
Air Secondary	1	152-7219	152-7219	--	--
Air Secondary	1	135-5787	135-5787	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
WBJ1-UP, ZGZ1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	206-5234	206-5234	--	--
Air Secondary	1	206-5235	206-5235	--	--
Engine Oil	1	266-7796	266-7796	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

320

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3XK1-821, 4ZJ1-459, 9WG1-722					
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--
3XK822-1908					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--
3XK1909-UP					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--
4TF4123-5735 (Engine)					
Air	1	7Y-0404	7Y-0404	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary	1	6I-2735	6I-2735	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4TF5736-31356 (Engine)					
Air	1	7Y-0404	7Y-0404	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
4TF31357-UP (Engine)					
Air	1	7Y-0404	7Y-0404	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
4ZJ460-596, 9WG723-1160					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--
4ZJ597-UP, 9WG1161-UP					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

320B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1XS1-UP, 2AS1-UP, 7JR1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
3YZ1-UP, 5MS1-UP, 6LW1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
4TF1-UP (Engine)					
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	6I-2500	6I-2500	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
4XW1-UP, 5GW1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4XW1-UP, 5GW1-UP (Continued)					
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
5BR1-UP					
Air Secondary	1	131-8821	131-8821	--	--
7JK1-UP (Engine)					
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel	1	5I-7951	5I-7951	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
9WS1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

320C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7JK1-UP (Engine)					
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel	1	5I-7951	5I-7951	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
AMC1-3601, ANB1-3788					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
AMC3602-UP, ANB3789-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
AXK1-UP, BMZ1-UP, EGA1-UP, JPL1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
BBL1-UP, BCN1-UP, BDE1-UP, BEA1-UP, DBG1-UP, EGL1-UP, GLA1-UP, JTG1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BBL1-UP, BCN1-UP, BDE1-UP, BEA1-UP, DBG1-UP, EGL1-UP, GLA1-UP, JTG1-UP (Continued)					
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
BDC1-UP, BER1-UP, CLM1-UP, CLZ1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
BGB1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
BKK1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
BPR1-4927, BRX1-1024					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--

(Continued)

320C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BPR4928-5524, BRX1025-1088					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
BPR5525-UP, BRX1089-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
EAG1-UP, GNG1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
GAD1-UP, SBN1352-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
HBC1-UP					
Air	1	305-0367	305-0367	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
HKT1-UP					
Air - Cab	1	185-8154	185-8154	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
MAB1-403					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
MAB404-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344

(Continued)

320C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MAB404-UP (Continued)					
Fuel	1	196-8219	196-8219	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
MAC1-289, PAC1-381					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
MAC290-UP, PAC382-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
MAE1-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
PAB1-UP					
Air - Cab	1	185-8154	185-8154	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
PAB1-UP (Continued)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
RAW1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
SAH1-235, TBR1-173					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
SAH236-1000, TBR174-1000					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
SAH1001-UP, TBR1001-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--

(Continued)

320C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
SAH1001-UP, TBR1001-UP (Continued)					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
SBN1-1351					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
SBN1-1351 (Continued)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

320D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7JK60000-UP, MAE1-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
A6F1-UP, A8F1-UP, A9F1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
BWW1-UP, BZF1-UP, EAX1-UP, GKS1-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
BZP1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BZP1-UP (Continued)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
CXY1-UP, DHK1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
CYZ1-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

(Continued)

320D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DHE1-UP, EJT1-UP, GMX1-UP, HJC1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
EBY1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
FAL1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air	1	245-7823	245-7823	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
FXK1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GDC1-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
GDP1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
GKL1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
JFZ1-UP, MGG1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

(Continued)

320D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
JGZ1-UP					
Air	1	245-7822	245-7822	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
KGF1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air	1	245-7823	245-7823	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
KLM1-UP, SPN1-UP, TDH1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
KTF1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MCH1-UP, WBN1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
MDE1-UP					
Air	1	245-7822	245-7822	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
PCM1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
PCX1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
PHX1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--

(Continued)

320D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
PHX1-UP (Continued)					
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
SRT1-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air	1	245-7823	245-7823	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
SRT1-UP (Continued)					
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
TAE1-UP, XCK1-UP, YDS1-UP, ZGB1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

320S

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4TF4805-9536 (Engine)					
Air	1	7Y-0404	7Y-0404	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
4TF9537-31356 (Engine)					
Air	1	7Y-0404	7Y-0404	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
4TF31357-UP (Engine)					
Air	1	7Y-0404	7Y-0404	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6KM1-212					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--
6KM213-UP					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

321C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7JK6000-UP, MAE1-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
KCR1-311, MCF1-1206					
Air - Cab	1	229-9157	229-9157	--	--
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	229-9047	229-9047	--	--
Air - Cab Recir-culation	1	207-0105	207-0105	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KCR1-311, MCF1-1206 (Continued)					
Oil	1	093-7521	093-7521	--	--
KCR312-UP, MCF1207-UP					
Air - Cab	1	229-9157	229-9157	--	--
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	229-9047	229-9047	--	--
Air - Cab Recir-culation	1	207-0105	207-0105	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

321D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GDC1-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
KBZ1-UP, MPG1-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
MDT1-UP, NAS1-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	229-9047	229-9047	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MDT1-UP, NAS1-UP (Continued)					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
PBD1-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	229-9047	229-9047	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
TXA1-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

322B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1YS1-1352					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
1YS1353-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1YS1353-UP (Continued)					
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Oil	1	093-7521	093-7521	--	--
1ZS1-UP, 2ES1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
4TF28805-UP, 98Z16500-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

322C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3AK1083-UP, 55K6690-UP, 6JK1915-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
5GG1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BFK1-UP, BGR1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--

(Continued)

322C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BFK1-UP, BGR1-UP (Continued)					
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
BKJ1-UP, BPH1-UP, CAM1-UP, CBY1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
BKM1-UP, BLP1-UP					
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
BMA1-8745, BMA9045-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
BYL1-1000, C3R1-1000, HEK1-1071, LAR1-1000, M2H1-1000					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
BYL1001-1008, LAR1001-1038, M2H1001-1001					
Air - Cab	1	112-7448	112-7448	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BYL1009-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
C3R1001-1021					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
C3R1022-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
CSW1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
DAA1-139, FED1-173					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

(Continued)

322C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DAA140-UP, FED174-188					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
EMR1-UP, MAR1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
FED189-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
HEK1072-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
LAR1039-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
M2H1002-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
SLX199-UP					
Fuel - FWS ADV	1	326-1644	--	326-1644	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

322L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

322L (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4RM1-UP, 8ML1-UP, 9RL1-UP					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4TF11600-31356, 98Z4000-16019 (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
4TF31357-UP, 98Z16020-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

323D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7JK1-UP (Engine)					
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel	1	5I-7951	5I-7951	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
BYM1-653, JLG428-UP, NDE238-UP, RAC1-529, SED1-370					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
BYM654-UP, RAC530-UP, SED371-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CWG1-UP, WNE1-UP, ZMF1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
CYD1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
DKW1-UP, PBM1-UP					
Air	1	245-7822	245-7822	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--

(Continued)

323D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DKW1-UP, PBM1-UP (Continued)					
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
GDC1-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
JLG1-427, NDE1-237					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
LFL1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	216-6676	216-6676	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
MAE1-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel	1	196-8219	196-8219	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
NES1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
NES1-UP (Continued)					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
PBE1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
SBZ1-UP, WGC1-UP, YSD1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
SDC1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

323D MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DCJ1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	5I-8670	5I-8670	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DCJ1-UP (Continued)					
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
GDC400-UP (Engine)					
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

324D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BTK1-UP, TRH1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
C7C1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
CJX1-UP, DFP1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Engine Oil	1	196-6581	196-6581	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
EJC1-UP, SYM1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
JAT1-UP, MND1-UP, PYT1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Engine Oil	1	196-6581	196-6581	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
JGK1-UP, JKR179-UP, JLS175-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806

(Continued)

324D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
JGK1-UP, JKR179-UP, JLS175-UP (Continued)					
Oil	1	093-7521	093-7521	--	--
JJG1-384					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
JJG385-UP, TSN1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
JKR1-178, JLS1-174					
Air - Cab	1	112-7448	112-7448	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
JZR1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
KHX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KHX1-UP (Engine) (Continued)					
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
LAB1-417					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
LAB418-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
T2D1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

324D MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
C7C130-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
KJR1-146					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KJR147-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

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Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2SK1-UP, 7LJ1-UP, 9SG1-UP					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--
2SL1-527, 3LL1-677, 7TG1-UP, 8NK1-UP, 9ZK1-142					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--
2SL528-UP, 3LL678-UP, 9ZK143-UP					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4TF2472-5108 (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary	1	6I-2735	6I-2735	--	--
4TF5109-5735 (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary	1	6I-2735	6I-2735	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
4TF5736-38723 (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
4TF38724-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
6RM1-UP, 7LM1-UP					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Fuel	1	1R-0740	1R-0740	--	--

(Continued)

325 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6RM1-UP, 7LM1-UP (Continued)					
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--
8YK1-UP					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Oil	3	094-4412	094-4412	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
98Z1-16032 (Engine)					
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
98Z16033-UP (Engine)					
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

325B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1CK9600-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
2JR1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
4DS1-UP, 5BS1-UP, 6DN1-UP, 8FN1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	6I-2502	6I-2502	--	--
Air Secondary	1	131-8821	131-8821	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4DS1-UP, 5BS1-UP, 6DN1-UP, 8FN1-UP (Continued)					
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
4TF24000-UP (Engine)					
Air Primary	1	131-8822	131-8822	--	134-0685
Air Secondary	1	131-8821	131-8821	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
98Z15029-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

325C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

325C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5GG1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
AMH1-UP, BTD1-UP					
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
BFE1-185, G1L1-1000, M2K1-1000, S2C1-186, S3M312-1000					
Air - Cab	1	4I-1278	4I-1278	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Air - Cab	1	185-8154	185-8154	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
BFE186-UP, S2C187-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
BKW1-236					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Engine Oil	1	214-8558	214-8558	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic	1	200-3549	200-3549	--	--
Oil	1	093-7521	093-7521	--	--
BKW237-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Engine Oil	1	214-8558	214-8558	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	1R-0770	1R-0770	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic	1	200-3549	200-3549	--	--
Oil	1	093-7521	093-7521	--	--
BMA1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
BMM1-346					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
BMM347-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--

(Continued)

325C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CRB1-UP, CSJ1-UP, DTF1-UP, JLC1-UP, JLD1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
G1L1001-UP, M2K1001-1013, S3M1001-1013					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
M2K1014-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
S3M1-311					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	6I-2504	6I-2504	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
S3M1-311 (Continued)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
S3M1014-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
Y4P1-415					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
Y4P416-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

325C MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

325C MHPU (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BMA21500-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
MSG1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MSG1-UP (Continued)					
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

325D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
A3R1-504, C4H1-209, RJK1-134					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
A3R505-UP, C4H210-UP, DBH1-UP, KBE1-UP, RJK135-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
AZP1-UP, CYW1-UP, SCR1-667					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Engine Oil	1	196-6581	196-6581	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
C7C1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
C7K1-200, C8L1-166					
Air - Cab	1	112-7448	112-7448	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
C7K201-UP, C8L167-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
C9M1-139					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806

(Continued)

325D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
C9M1-139 (Continued)					
Oil	1	093-7521	093-7521	--	--
C9M140-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
ERK1-219					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
ERK220-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
GBR1-UP, GPB1-UP, LAL1-UP, MCL1-UP, PKE1-UP, T2S1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KDG1-197					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Engine Oil	1	196-6581	196-6581	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
KDG198-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Engine Oil	1	196-6581	196-6581	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
KHX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
NAC1-251, PAL1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

(Continued)

325D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
NAC252-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
SCR668-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Engine Oil	1	196-6581	196-6581	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

325D MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
C3N1-UP, SRC104-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
C7C181-UP, KHX1300-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
H3N1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
H3N1-UP (Continued)					
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
SRC1-103					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

325L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

325L (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2JK1-UP					
Air	1	7Y-0404	7Y-0404	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Secondary	1	5I-5208	5I-5208	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--
4TF2472-5735 (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary	1	6I-2735	6I-2735	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4TF5736-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
98Z1-UP (Engine)					
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

328D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GTN1-UP, MKR1-UP					
Air - Cab	1	284-4568	284-4568	--	--
Air - Cab	1	229-9047	229-9047	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	289-7789	289-7789	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GTN1-UP, MKR1-UP (Continued)					
Oil	1	093-7521	093-7521	--	--
KHX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

329D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BFC1-UP, SCY1-UP, TPM1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BYS1-UP, DJF1-UP, JHJ1-UP, RSK1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

(Continued)

329D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
C7C1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
CZF1-UP, EBM1-UP, XDB1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
DTZ1-UP, YFW1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Engine Oil	1	196-6581	196-6581	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
KHX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
MNB1-UP, WDK1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Engine Oil	1	196-6581	196-6581	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
WLT1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

330

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
08Z68520-UP (Engine)					
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
13Z27468-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
2EL1-331, 6ZK1-63, 8CK1-205, 8FK1-UP, 9WJ1-UP					
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air Primary- Radial Seal	1	7Y-1323	7Y-1323	--	--
Air Secondary	1	7Y-1322	7Y-1322	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--

(Continued)

330 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2EL332-UP, 6ZK64-UP, 8CK206-UP					
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary- Radial Seal	1	7Y-1323	7Y-1323	--	--
Air Secondary	1	7Y-1322	7Y-1322	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--
2ZM1-UP, 5YM1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary- Radial Seal	1	7Y-1323	7Y-1323	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2ZM1-UP, 5YM1-UP (Continued)					
Air Secondary	1	7Y-1322	7Y-1322	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Oil	3	094-4412	094-4412	--	--
6NC1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary	1	1R-1712	1R-1712	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

330B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
08Z91662-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
13Z36792-UP (Engine)					
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
3YR1-UP, 4RS1-UP, 5LR1-UP, 5LS1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6DR1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
6NC1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary	1	1R-1712	1R-1712	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

330C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

330C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4ZF1-UP (Engine)					
Fuel - ADV	1	1R-0764	1R-0764	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
B1K1-1000, B3M1-1000, B4N1-1000, D3C1-303, DKY1-4077					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
B1K1001-1016, B4N1001-1011					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
B1K1017-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
B2L1-254					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
B2L1-254 (Continued)					
Oil	1	093-7521	093-7521	--	--
B2L255-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
B3M1001-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
B4N1012-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
CAP1-2106, CGZ1-900					
Air - Cab	1	4I-1278	4I-1278	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Air - Cab	1	185-8154	185-8154	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813

(Continued)

330C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CAP1-2106, CGZ1-900 (Continued)					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
CAP2107-UP, CGZ901-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Oil	1	093-7521	093-7521	--	--
CYA1-429, JAB1-562, KDD1-450					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
CYA430-835					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
CYA836-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CYA836-UP (Continued)					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
D3C304-3003, DKY4078-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
D3C3004-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
GKX1-UP, MCA1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
JAB563-UP, KDD451-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	1R-0770	1R-0770	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131

(Continued)

330C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
JAB563-UP, KDD451-UP (Continued)					
Hydraulic	1	5I-8670	5I-8670	--	--
Oil	1	093-7521	093-7521	--	--
JCD1-278					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	6I-2504	6I-2504	--	--
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
JCD279-UP, JNK1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	6I-2504	6I-2504	--	--
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	133-5673	133-5673	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
JCD279-UP, JNK1-UP (Continued)					
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
MKM1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
SAN1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484

[1] Please see the Filter Upgrade information at the end of this section for additional details.

330C MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4ZF770-UP, SAN260-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
MSD1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS	1	1R-0770	1R-0770	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MSD1-UP (Continued)					
Oil	1	093-7521	093-7521	--	--
MSL1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	142-1339	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813

(Continued)

330C MHPU (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MSL1-UP (Continued)					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

330D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
B6H1-UP, JLP1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
C5K1-222, LEM1-193, MWP1-1227					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
C5K223-UP, EAH1-UP, FFK1-UP, LEM194-UP, MWP1228-3022					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
E4K1-352					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
E4K353-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
EDX1-UP, GBC1-UP, MEY1-UP, NBD1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Engine Oil	1	196-6581	196-6581	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

(Continued)

330D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
ERN1-UP, GGE1-UP, LRM1-UP, PEL1-UP, RAS1-UP, THJ1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
H3K1-353, L2K1-221					
Air - Cab	1	112-7448	112-7448	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
H3K354-UP, L2K222-UP					
Air - Cab	1	112-7448	112-7448	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
HAS1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
JJM1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
Precleaner	1	258-6614	258-6614	--	--
MWP3023-UP, R2D1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
T2Y1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
Oil	1	093-7521	093-7521	--	--
THX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
THY1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

330D MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
D3D1-163, D3D264-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
D3D164-263					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
H3D1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
THX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
THY1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

336D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
D3P1-UP, KKT1-UP, M4T1-UP, PRF1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Engine Oil	1	196-6581	196-6581	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
D3P1-UP, KKT1-UP, M4T1-UP, PRF1-UP (Continued)					
Oil	1	093-7521	093-7521	--	--
DTS1-UP, JBF1-UP, KDJ1-UP, MYP1-UP, WET1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--

(Continued)

336D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DTS1-UP, JBF1-UP, KDJ1-UP, MYP1-UP, WET1-UP (Continued)					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
J2F1-UP, JBT1-UP, MPL1-UP, W3K1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
JWR1-UP, LMG1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
MYG1-UP, PPN1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MYG1-UP, PPN1-UP (Continued)					
Hydraulic	1	143-2849	143-2849	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
PGW1-UP, WRK1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Primary	1	220-0453	142-1339	--	220-0453
Air Secondary	1	142-1404	142-1404	--	--
Engine Oil	1	196-6581	196-6581	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
THX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
THY1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

336E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BZY1-UP, YEP1-UP					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1643	--	326-1643	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

345B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
2NW1-UP, 9YW1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
2SW1-UP, 7KS1-UP, BFG1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Hydraulic - UHE	1	146-9290	--	--	146-9290
Oil	1	093-7521	093-7521	--	--
4SS1-213					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
4SS214-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	106-3969	106-3969	--	132-7168

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4SS214-UP (Continued)					
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
7ZR1-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
8KW1-UP, 9CW1-UP					
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
9GS1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

345B II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

345B II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7ZR1-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
AGS1-UP, ALB1-UP, APB1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Oil	1	093-7521	093-7521	--	--
AKJ1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab Recirculation	1	147-4851	147-4851	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
AKX1-UP, ALD1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab Recirculation	1	147-4851	147-4851	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	200-3549	200-3549	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
AMD1-UP, AMJ1-UP					
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
AMN1-UP, AYR1-UP					
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	179-9806	--	--	179-9806

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
AMN1-UP, AYR1-UP (Continued)					
Oil	1	093-7521	093-7521	--	--
CCC1-543, DET1-105					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	146-9290	--	--	146-9290
Oil	1	093-7521	093-7521	--	--
CCC544-UP, DET106-UP, FEE1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
Oil	1	093-7521	093-7521	--	--
CDJ1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - UHE	1	146-9290	--	--	146-9290
Oil	1	093-7521	093-7521	--	--
DCW1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

345C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
A3L1-UP						
Air - Cab	1	108-0688	108-0688	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
BWY1-279, TBA1-434, WDE1-165						
Air - Cab	1	293-1184	293-1184	--	--	--
Air - Cab	1	305-0329	305-0329	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic	1	200-3549	200-3549	--	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
BWY280-UP, TBA435-UP, WDE166-UP						
Air - Cab	1	293-1184	293-1184	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air - Cab	1	305-0329	305-0329	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BWY280-UP, TBA435-UP, WDE166-UP (Continued)						
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic	1	200-3549	200-3549	--	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
D3S1-174, PJW1-1143						
Air - Cab	1	305-0329	305-0329	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
D3S175-UP, M2R193-UP, PJW1144-UP						
Air - Cab	1	305-0329	305-0329	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
DHP1-382, GJR1-UP						
Air - Cab	1	293-1184	293-1184	--	--	--
Air - Cab	1	305-0329	305-0329	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--

(Continued)

345C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DHP1-382, GJR1-UP (Continued)						
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
DHP383-UP						
Air - Cab	1	293-1184	293-1184	--	--	--
Air - Cab	1	305-0329	305-0329	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
ELS1-179, GCL1-UP, GPH1-UP, LYS1-UP, SPC1-UP						
Air - Cab	1	4I-1278	4I-1278	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Hydraulic - UHE	1	146-9290	--	--	146-9290	--
Oil	1	093-7521	093-7521	--	--	--
ELS180-UP						
Air - Cab	1	4I-1278	4I-1278	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
ELS180-UP (Continued)						
Hydraulic - UHE	1	146-9290	--	--	146-9290	--
ESD1-186, TDG1-290						
Air - Cab	1	305-0329	305-0329	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
ESD187-UP, S5M1-UP, TAJ256-UP, TDG291-UP						
Air - Cab	1	305-0329	305-0329	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
FPC1-UP						
Air - Cab	1	4I-1278	4I-1278	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
GBH1-UP, JAR1-UP, RFN1-UP						
Air	1	245-7823	245-7823	--	--	--
M2R1-192						
Air - Cab	1	305-0329	305-0329	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	220-0454	142-1340	--	220-0454	--

(Continued)

345C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
M2R1-192 (Continued)						
Air Secondary	1	142-1403	142-1403	--	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
MDC1-UP						
Air	1	245-7823	245-7823	--	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Oil	1	093-7521	093-7521	--	--	--
MHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
MTE1-UP						
Air - Cab	1	4I-1278	4I-1278	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MTE1-UP (Continued)						
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
SCN1-UP						
Air - Cab	1	4I-1278	4I-1278	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--
TAJ1-255						
Air - Cab	1	305-0329	305-0329	--	--	--
Air	1	245-7823	245-7823	--	--	--
Air Primary	1	220-0454	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	179-9806	--	--	179-9806	--
Oil	1	093-7521	093-7521	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

345C MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

345C MHPU (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
B6N1-UP, NRF1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	220-0454	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
M3E1-UP, M3F1-UP					
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
MHX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

345D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BYC1-UP					
Air - Cab	1	327-6618	327-6618	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	142-1403	142-1403	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic	1	200-3549	200-3549	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
EEH1-UP, RAJ1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Primary	1	220-0454	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
GYR1-UP, KFH1-UP, LKY1-UP, NLM1-UP					
Air	1	245-7823	245-7823	--	--
Air - Cab	1	327-6618	327-6618	--	--
Air Secondary	1	142-1403	142-1403	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
Oil	1	093-7521	093-7521	--	--
JKN1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Primary	1	142-1340	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic	1	200-3549	200-3549	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

(Continued)

345D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MHX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
MLK1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Primary	1	220-0454	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
NEG1-UP, PBT1-UP, RAE1-UP					
Air - Cab	1	293-1184	293-1184	--	--
Air	1	245-7823	245-7823	--	--
Air - Cab	1	305-0329	305-0329	--	--
Air Secondary	1	142-1403	142-1403	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic	1	200-3549	200-3549	--	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--
RGD1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	142-1403	142-1403	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
RGD1-UP (Continued)					
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
Oil	1	093-7521	093-7521	--	--
RGG1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Primary	1	220-0454	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
Oil	1	093-7521	093-7521	--	--
YEE1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Primary	1	220-0454	142-1340	--	220-0454
Air Secondary	1	142-1403	142-1403	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic	1	5I-8670	5I-8670	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813
Hydraulic - UHE	1	179-9806	--	--	179-9806
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

350

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

350 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
08Z70000-UP, 13Z29000-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
2ZL1-170, 3ML1-684					
Air - Cab	1	6C-9226	6C-9226	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Oil	3	094-4412	094-4412	--	--
2ZL171-UP, 3ML685-UP					
Air - Cab	1	6C-9226	6C-9226	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Oil	3	094-4412	094-4412	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6NC1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary	1	1R-1712	1R-1712	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
8HK1-UP, 9FL1-UP					
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Oil	3	094-4412	094-4412	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

350L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
13Z29000-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
9FL1-UP					
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air - Cab	1	108-0688	108-0688	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
9FL1-UP (Continued)					
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Oil	3	094-4412	094-4412	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

365B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

365B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6AR1-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
9PZ1-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
AGD1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab Recirculation	1	147-4851	147-4851	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	143-8086	143-8086	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
AGD1-UP (Continued)					
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
CFJ1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab Recirculation	1	147-4851	147-4851	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	143-8086	143-8086	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
CTY1-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806

[1] Please see the Filter Upgrade information at the end of this section for additional details.

365BL

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6AR1-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
9TZ1-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	106-3969	106-3969	--	132-7168

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
9TZ1-UP (Continued)					
Air Secondary	1	106-3973	106-3973	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290

[1] Please see the Filter Upgrade information at the end of this section for additional details.

365BL II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6AR1-UP (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
DER1-UP, JMB1-UP, PEG1-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DER1-UP, JMB1-UP, PEG1-UP (Continued)					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
SDL1-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290

[1] Please see the Filter Upgrade information at the end of this section for additional details.

365C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
ELC1-UP, FEN118-UP, GWC11-UP, MCS1-UP, PAR1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	143-8086	143-8086	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
FEN1-117					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	143-8086	143-8086	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
FEN1-117 (Continued)					
Hydraulic - UHE	1	146-9290	--	--	146-9290
GWC1-10					
Air - Cab	1	4I-1278	4I-1278	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	143-8086	143-8086	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
LHX1-UP (Engine)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
MCY1-UP, MEM1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	106-3969	106-3969	--	132-7168

(Continued)

365C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MCY1-UP, MEM1-UP (Continued)					
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MCY1-UP, MEM1-UP (Continued)					
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	143-8086	143-8086	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290

[1] Please see the Filter Upgrade information at the end of this section for additional details.

374D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
LHX1-UP (Engine)					
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
PAP1-UP, PAS1-UP, PAX1-UP, PJA1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
PAP1-UP, PAS1-UP, PAX1-UP, PJA1-UP (Continued)					
Fuel - FWS ADV	1	326-1643	--	326-1643	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290

[1] Please see the Filter Upgrade information at the end of this section for additional details.

375

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
11N4295-UP, 41Z1-1786 (Engine)					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
41Z1787-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
6NK1-90					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171
Air Secondary	1	1N-4864	1N-4864	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic	1	159-1428	159-1428	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6NK1-90 (Continued)					
Hydraulic	1	159-1427	159-1427	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Oil	3	094-4412	094-4412	--	--
6NK91-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171
Air Secondary	1	1N-4864	1N-4864	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic	1	159-1428	159-1428	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic	1	159-1427	159-1427	--	--
Oil	3	094-4412	094-4412	--	--

(Continued)

375 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8WJ1-59					
Air - Cab	1	8C-4120	8C-4120	--	--
Air - Cab	1	5G-1913	5G-1913	--	--
Air Primary	1	7Y-1196	7Y-1196	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Oil	3	094-4412	094-4412	--	--
Air Secondary	1	7Y-1197	7Y-1197	--	--
8WJ60-76					
Air - Cab	1	8C-4120	8C-4120	--	--
Air - Cab	1	5G-1913	5G-1913	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171
Air Secondary	1	1N-4864	1N-4864	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Oil	3	094-4412	094-4412	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
8WJ77-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171
Air Secondary	1	1N-4864	1N-4864	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Oil	3	094-4412	094-4412	--	--
9WL1-UP					
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic	1	159-1428	159-1428	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic	1	159-1427	159-1427	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

375L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
11N4295-UP, 41Z1-1786 (Engine)					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
1JM1-UP					
Air - Cab	1	6C-9226	6C-9226	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171
Air Secondary	1	1N-4864	1N-4864	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Oil	3	094-4412	094-4412	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
41Z1787-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
9WL1-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171
Air Secondary	1	1N-4864	1N-4864	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic	1	159-1428	159-1428	--	--
Hydraulic	1	159-1427	159-1427	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Oil	3	094-4412	094-4412	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

385B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

385B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
ANS1-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
BKF1-UP, BLY1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air - Cab Recir-culation	1	147-4851	147-4851	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	143-8086	143-8086	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
BKX1-UP					
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BLC1-1206 (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
BLC1207-UP (Engine)					
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
CLS1-UP, FDL1-UP, MYA1-UP, RCD1-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290

[1] Please see the Filter Upgrade information at the end of this section for additional details.

385C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
EAM1-UP, EDA1-UP, GLT1-UP, JCM1-UP, KBC210-UP, KKK1-UP, MMA1-UP, MNZ1-UP, T2F1-UP, WAW1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	143-8086	143-8086	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
KBC1-209					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Hydraulic	1	143-8086	143-8086	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
KBC1-209 (Continued)					
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
KGB1-UP, SBE1-UP, T2E1-UP					
Air - Cab	1	305-0329	305-0329	--	--
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	143-8086	143-8086	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290
RHX1-UP (Engine)					
Oil - ADV	2	249-2347	--	249-2347	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--

(Continued)

385C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
RHX1-UP (Engine) (Continued)					
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

385C MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MSF1-UP					
Air - Cab	1	4I-1278	4I-1278	--	--
Air	1	245-7823	245-7823	--	--
Air Primary- Radial Seal	1	122-1674	6I-0273	--	122-1674
Air Secondary	1	106-3973	106-3973	--	--
Air Secondary-Axial Seal	1	6I-0274	6I-0274	--	--
Fuel - FWS ADV	1	326-1641	--	326-1641	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
MSF1-UP (Continued)					
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
RHX2432-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

5080

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
11N6900-UP, 41Z1-1786 (Engine)					
Coolant	1	9N-6123	9N-6123	--	--
Coolant	1	9N-3718	9N-3718	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
41Z1787-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--
6XK1-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	5I-3572	5I-3572	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171
Air Secondary	1	1N-4864	1N-4864	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6XK1-UP (Continued)					
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic	1	159-1428	159-1428	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic	1	159-1427	159-1427	--	--
Oil	3	094-4412	094-4412	--	--
8SL1-UP					
Air - Cab	1	6C-9226	6C-9226	--	--
Air - Cab	1	108-0688	108-0688	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171
Air Secondary	1	1N-4864	1N-4864	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Oil	3	094-4412	094-4412	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

5090B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BLC172-1206 (Engine)					
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
BLC1207-UP (Engine)					
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CLD1-UP, SJY1-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary	1	106-3969	106-3969	--	132-7168
Air Secondary	1	106-3973	106-3973	--	--
Fuel - FWS	1	133-5673	133-5673	--	--
Hydraulic - ADV	1	185-0337	--	185-0337	126-1814
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Hydraulic - UHE	1	179-9806	--	--	179-9806
Hydraulic - UHE	1	146-9290	--	--	146-9290

[1] Please see the Filter Upgrade information at the end of this section for additional details.

5110

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7GN1-UP, 8HN1-UP					
Air - Cab	1	108-0688	108-0688	--	--
Air - Cab	1	6C-9226	6C-9226	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--
Coolant	1	9N-3718	9N-3718	--	--
Coolant	1	9N-6123	9N-6123	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814
Fuel - FWS	1	133-5673	133-5673	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7GN1-UP, 8HN1-UP (Continued)					
Fuel Primary	1	129-0372	129-0372	--	--
Hydraulic	1	126-2081	126-2081	178-9806	126-2131
80M1-UP (Engine)					
Coolant	1	9N-3367	9N-3367	--	--
Coolant	1	9N-3368	9N-3368	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

5110B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

5110B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
80M3054-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
AAA1-293						
Air - Cab	1	4I-1278	4I-1278	--	--	--
Air - Cab	1	108-0688	108-0688	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	12	1R-0774	--	1R-0774	139-1536	4T-3134
AAA294-362, AAK1-227, AAT1-312						
Air - Cab	1	4I-1278	4I-1278	--	--	--
Air - Cab	1	108-0688	108-0688	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AAA294-362, AAK1-227, AAT1-312 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4C-6860	134-0964	--	4C-6860	--
Hydraulic - ADV	12	1R-0774	--	1R-0774	139-1536	4T-3134
AAA363-UP, AAK228-UP, AAT313-UP						
Air - Cab	1	4I-1278	4I-1278	--	--	--
Air - Cab	1	108-0688	108-0688	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4C-6860	134-0964	--	4C-6860	--
Hydraulic - UHE	8	139-1536	--	--	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

5130

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5ZL1-UP						
Air - Cab	1	8C-4120	8C-4120	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	7W-5216	7W-5216	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary	1	7N-1308	7N-1308	--	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5ZL1-UP (Continued)						
Hydraulic - ADV	12	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	6	1R-0735	1R-0735	1R-0777	139-1537	104-6931
7YG1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

5130B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

5130B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2GR1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
4CS1-147						
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	145-4758	145-4758	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814	--
Hydraulic - ADV	12	1R-0774	--	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4CS148-172						
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	145-4758	145-4758	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814	--
Hydraulic - ADV	12	1R-0774	--	1R-0774	139-1536	4T-3134
4CS173-UP						
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	145-4758	145-4758	--	--	--
Air - Charcoal	2	141-7903	141-7903	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Hydraulic	1	4C-6860	134-0964	--	4C-6860	--
Hydraulic - ADV	12	1R-0774	--	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

5230

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2PK1-506 (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel	1	1R-0715	1R-0715	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
2PK507-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel	1	1R-0715	1R-0715	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
7LL1-98						
Air - Cab	1	8C-4120	8C-4120	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7LL1-98 (Continued)						
Hydraulic - Cartridge	8	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	6	1R-0735	1R-0735	1R-0777	139-1537	104-6931
7LL99-UP						
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	145-4758	145-4758	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814	--
Hydraulic - Cartridge	8	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	6	1R-0735	1R-0735	1R-0777	139-1537	104-6931

[1] Please see the Filter Upgrade information at the end of this section for additional details.

5230B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4HZ1-UP						
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Cab Re-circulation	1	145-4758	145-4758	--	--	--
Air - Charcoal	2	141-7903	141-7903	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Hydraulic	1	4C-6860	134-0964	--	4C-6860	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4HZ1-UP (Continued)						
Hydraulic - ADV	12	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	6	139-1537	--	--	139-1537	104-6931
7TR634-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic Systems

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).
Cat MTO SAE 15W-40 is the preferred viscosity grade for the hydraulic hood tilt system when the ambient temperature is below -15 °C (+5 °F) and does not go above 40 °C (104 °F).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems, Swing Motor and Travel Motor Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Transmissions

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

(Continued)

Lubricants - Transmissions (Continued)

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Powershift Transmissions					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	50	32	122
Cat TDTO-TMS	Cat TDTO-TMS	-10	50	14	122

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Final Drive and Swing Drive					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-25	25	-13	77
Cat TDTO	SAE 50	-15	50	5	122
Cat TDTO-TMS	TDTO-TMS	-30	25	-22	77
Drive Axles for Wheel Feller Bunchers (533, 573)					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-25	15	-13	59
Cat TDTO	SAE 30	-20	43	-4	110
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-30	43	-22	110

Lubricants - Undercarriage

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Track Idlers and Track Rollers					
DEO-ULS SYN	SAE 5W-40	-35	40	-31	104

Lubricants - Special Application

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Variable Pitch Fan					
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104
Cat DEO-ULS SYN	SAE 5W-40	-40	50	-40	122

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease.
Application Point: Articulation Bearings, Bogie Bearings, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Gate Cylinder, Grapple Head Rotator, Swing Drive Bearing, Swing Drive Gear, Winch Drive Shaft Bearing, Winch Drive Shaft Universal Joint, Winch Drum Bearing

(Continued)

Greases (Continued)

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	517 - Skidding loads over 4536 kg (10,000 lb) in steep terrain (over 30%) with high skidding resistance. 525B - Skidding loads over 6800 kg (15,000 lb) in steep terrain (over 10%) with high skidding resistance. 527 - Skidding loads over 6360 kg (14,000 lb) in steep terrain (over 30%) with high skidding resistance.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	517 - Skidding loads up to 4536 kg (10,000 lb) in moderate terrain (8-30%) with medium skidding resistance. 525B - Skidding loads up to 6800 kg (15,000 lb) in moderate terrain (5-10%) with average skidding resistance. 527 - Skidding loads up to 6360 kg (14,000 lb) in moderate terrain (8-30%) with medium skidding resistance.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	517 - Skidding loads less than 4536 kg (10,000 lb) in flat terrain (0-8%) with low skidding resistance. 525B - Skidding loads less than 4500 kg (10,000 lb) in flat terrain (0-5%) with low skidding resistance. 527 - Skidding loads less than 6360 kg (14,000 lb) in flat terrain (0-8%) with low skidding resistance.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

TK370

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
55K11587-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
WBD1-UP					
Air - Cab	1	6C-9226	6C-9226	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Hydraulic - UHE	1	126-1814	--	--	126-1814
Hydraulic - UHE	2	207-5035	--	--	207-5035

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TK371

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
55K12201-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
WBG1-UP						
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air - Cab	1	185-8154	185-8154	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - UHE	2	207-5035	--	--	207-5035	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TK380

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

TK380 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
55K11067-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
WBE1-UP					
Air - Cab	1	6C-9226	6C-9226	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Hydraulic - UHE	1	126-1814	--	--	126-1814
Hydraulic - UHE	2	207-5035	--	--	207-5035

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TK381

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
55K12115-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
WBH1-UP						
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air - Cab	1	185-8154	185-8154	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - UHE	2	207-5035	--	--	207-5035	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TK711, TK721, TK722

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1011-244, 1021-344, 1031-444						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air - Cab	1	185-8154	185-8154	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1011-244, 1021-344, 1031-444 (Continued)						
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
101245-UP, 102345-UP, 103445-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

(Continued)

TK711, TK721, TK722 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
101245-UP, 102345-UP, 103445-UP (Continued)						
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
4ZF4479-UP (Engine), 4ZF4479-UP (Engine), 4ZF4479-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
THX1-UP (Engine), THX1-UP (Engine), THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	2	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TK732

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1041-544						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air - Cab	1	185-8154	185-8154	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
104545-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
4ZF4479-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TK741

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

TK741 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2021-224						
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air - Cab	1	185-8154	185-8154	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
202225-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
202225-UP (Continued)						
Air Secondary	1	142-1404	142-1404	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
4ZF10811-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	2	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TK751

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3011-324						
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air - Cab	1	185-8154	185-8154	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
301325-1114						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
301325-1114 (Continued)						
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
3011115-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
4ZF11157-UP, THX345-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TK752

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3021-424						
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air - Cab	1	185-8154	185-8154	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
302425-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
4ZF11157-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TK1051

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3PD1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
9HZ1-UP						
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air - Cab	1	185-8154	185-8154	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9HZ1-UP (Continued)						
Air Secondary	1	142-1403	142-1403	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel - FWS - ADV	1	1R-0781	1R-0781	--	--	--
Hydraulic	1	184-3931	4I-3948	184-3931	126-1813	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

227

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

227 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
10W1-UP						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
79V8432-11611 (Engine)						
Engine Oil	2	1R-0713	1R-0713	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
79V11612-UP (Engine)						
Engine Oil	2	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

511, 521, 522

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5111-286, 5211-315, 5221-247						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
511287-UP, 521316-UP, 522248-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
511287-UP, 521316-UP, 522248-UP (Continued)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
THX1-UP (Engine), THX1-UP (Engine), THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	2	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

522C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

522C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
07Z28250-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2WL1-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2WL1-UP (Continued)						
Hydraulic	1	9T-7656	--	--	9T-7656	--
Power Train	2	129-8357	129-8357	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

532

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5321-176						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
532177-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
532177-UP (Continued)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	2	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

533

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

533 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
55K8343-11066 (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS	1	151-2409	151-2409	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
55K11067-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel - FWS	1	151-2409	151-2409	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CDR1-194					
Air - Cab	1	6C-9226	6C-9226	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Hydraulic - UHE	1	126-1814	--	--	126-1814
Hydraulic - UHE	2	207-5035	--	--	207-5035
CDR195-UP					
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Hydraulic - UHE	1	126-1814	--	--	126-1814
Hydraulic - UHE	2	207-5035	--	--	207-5035

[1] Please see the Filter Upgrade information at the end of this section for additional details.

539

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
1PZ1-UP					
Air	1	208-2891	208-2891	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674
Air Secondary-Axial Seal	1	6I-0274	6I-0274	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813
Hydraulic	1	126-2081	126-2081	178-9806	126-2131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
55K1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel - FWS	1	151-2409	151-2409	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

541

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5411-211						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5411-211 (Continued)						
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
541212-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--

(Continued)

541 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
541212-UP (Continued)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	2	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

543

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
55K8950-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel - FWS ADV	1	326-1642	--	326-1642	--
Fuel - FWS	1	151-2409	151-2409	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
ASJ1-UP					
Air - Cab	1	6C-9226	6C-9226	--	--
Air - Cab	1	185-8154	185-8154	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165
Air Secondary	1	6I-2504	6I-2504	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Hydraulic - UHE	1	126-1814	--	--	126-1814
Hydraulic - UHE	2	207-5035	--	--	207-5035

[1] Please see the Filter Upgrade information at the end of this section for additional details.

550

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6JK1961-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
7ZN1-206, 7ZN208-209, 7ZN212-212					
Air - Cab	1	169-1476	169-1476	--	--
Air - Cab	1	166-0559	166-0559	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel - FWS	1	151-2409	151-2409	--	--
Hydraulic	1	163-4032	163-4032	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7ZN1-206, 7ZN208-209, 7ZN212-212 (Continued)					
Hydraulic	1	161-4741	161-4741	--	--
Hydraulic	1	174-6221	174-6221	--	--
Oil	1	093-7521	093-7521	--	--
7ZN207-207, 7ZN210-211, 7ZN213-UP					
Air - Cab	1	169-1476	169-1476	--	--
Air - Cab	1	166-0559	166-0559	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Hydraulic	1	163-4032	163-4032	--	--

(Continued)

550 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7ZN207-207, 7ZN210-211, 7ZN213-UP (Continued)					
Hydraulic	1	161-4741	161-4741	--	--
Hydraulic	1	174-6221	174-6221	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

550B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CPT1-UP (Engine)					
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS	1	151-2409	151-2409	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
SAW1-UP					
Air - Cab	1	169-1476	169-1476	--	--
Air - Cab	1	166-0559	166-0559	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
SAW1-UP (Continued)					
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel - FWS	1	163-4465	163-4465	--	--
Fuel - FWS	1	138-3100	138-3100	--	--
Hydraulic	1	163-4032	163-4032	--	--
Hydraulic	1	161-4741	161-4741	--	--
Hydraulic	1	174-6221	174-6221	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

551, 552

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5511-117, 5521-145						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
551118-UP, 552146-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
551118-UP, 552146-UP (Continued)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
THX1-UP (Engine), THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	2	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

554

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1AM1-UP						
Air - Cab	1	166-0559	166-0559	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	161-5025	161-5025	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	163-4032	163-4032	--	--	--
Oil	1	093-7521	093-7521	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
TGH1-UP						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic	1	163-4032	163-4032	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Oil	1	093-7521	093-7521	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

560B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CPT1-UP (Engine)					
Air Secondary	1	6I-2504	6I-2504	--	--
Fuel - FWS	1	151-2409	151-2409	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
TRA1-UP					
Air - Cab	1	169-1476	169-1476	--	--
Air - Cab	1	166-0559	166-0559	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
TRA1-UP (Continued)					
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel - FWS	1	163-4465	163-4465	--	--
Fuel - FWS	1	138-3100	138-3100	--	--
Hydraulic	1	163-4032	163-4032	--	--
Hydraulic	1	161-4741	161-4741	--	--
Hydraulic	1	174-6221	174-6221	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

564

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KBN1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	170-7272	170-7272	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KBN1-UP (Continued)						
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	163-4032	163-4032	--	--	--

(Continued)

564 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KBN1-UP (Continued)						
Oil	1	093-7521	093-7521	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

570

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4XR1-310					
Air - Cab	1	169-1476	169-1476	--	--
Air - Cab	1	166-0559	166-0559	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel - FWS	1	151-2409	151-2409	--	--
Hydraulic	1	163-4032	163-4032	--	--
Hydraulic	1	161-4741	161-4741	--	--
Hydraulic	1	174-6221	174-6221	--	--
Oil	1	093-7521	093-7521	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4XR311-UP					
Air - Cab	1	169-1476	169-1476	--	--
Air - Cab	1	166-0559	166-0559	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel - FWS	1	117-4089	117-4089	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Hydraulic	1	163-4032	163-4032	--	--
Hydraulic	1	161-4741	161-4741	--	--
Hydraulic	1	174-6221	174-6221	--	--
Oil	1	093-7521	093-7521	--	--
6JK1880-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199

[1] Please see the Filter Upgrade information at the end of this section for additional details.

570B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BMA1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CKG1-UP					
Air - Cab	1	169-1476	169-1476	--	--
Air - Cab	1	166-0559	166-0559	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Hydraulic	1	163-4032	163-4032	--	--
Hydraulic	1	161-4741	161-4741	--	--
Hydraulic	1	174-6221	174-6221	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

574

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FM1-260						
Air - Cab	1	166-0559	166-0559	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	163-4032	163-4032	--	--	--
Hydraulic	1	161-5025	161-5025	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Oil	1	093-7521	093-7521	--	--	--
1FM261-433						
Air - Cab	1	166-0559	166-0559	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	161-5025	161-5025	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FM261-433 (Continued)						
Hydraulic	1	163-4032	163-4032	--	--	--
Oil	1	093-7521	093-7521	--	--	--
1FM434-UP						
Air - Cab	1	166-0559	166-0559	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	163-4032	163-4032	--	--	--
Oil	1	093-7521	093-7521	--	--	--
6JK1922-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

574B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CZZ1-UP						
Air - Cab	1	166-0559	166-0559	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	163-4032	163-4032	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Oil	1	093-7521	093-7521	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RLS1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	170-7272	170-7272	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	163-4032	163-4032	--	--	--
Oil	1	093-7521	093-7521	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

580

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

580 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
6JK1933-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199
7CN1-218, 7CN220-310, 7CN312-313					
Air - Cab	1	169-1476	169-1476	--	--
Air - Cab	1	166-0559	166-0559	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel - FWS	1	151-2409	151-2409	--	--
Hydraulic	1	163-4032	163-4032	--	--
Hydraulic	1	161-4741	161-4741	--	--
Hydraulic	1	174-6221	174-6221	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7CN1-218, 7CN220-310, 7CN312-313 (Continued)					
Oil	1	093-7521	093-7521	--	--
7CN219-219, 7CN311-311, 7CN314-UP					
Air - Cab	1	169-1476	169-1476	--	--
Air - Cab	1	166-0559	166-0559	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel Primary	1	146-6695	146-6695	--	--
Hydraulic	1	163-4032	163-4032	--	--
Hydraulic	1	161-4741	161-4741	--	--
Hydraulic	1	174-6221	174-6221	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

580B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
BMA1-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
CLT1-UP					
Air - Cab	1	169-1476	169-1476	--	--
Air - Cab	1	166-0559	166-0559	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Secondary	1	6I-2502	6I-2502	--	--
Hydraulic	1	163-4032	163-4032	--	--
Hydraulic	1	161-4741	161-4741	--	--
Hydraulic	1	174-6221	174-6221	--	--
Oil	1	093-7521	093-7521	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

584

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
PAK1-UP, PBK1-UP						
Air	1	345-1947	345-1947	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Breather - Hydraulic	1	098-0255	098-0255	--	--	--
Hydraulic - FR	1	156-0214	--	--	--	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

1090, 1090 II, 1190, 1190 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BZJ1-1119, BZK1-1219						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air - Cab	1	185-8154	185-8154	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
BZJ1120-2109, BZK1220-2159						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BZJ1120-2109, BZK1220-2159 (Continued)						
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
BZJ2110-UP, BZK2160-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

1190T, 1190T II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BZL1-1319						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air - Cab	1	185-8154	185-8154	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - UHE	2	207-5035	--	--	207-5035	--
Oil	1	093-7521	093-7521	--	--	--
BZL1320-2210						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BZL1320-2210 (Continued)						
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - UHE	2	207-5035	--	--	207-5035	--
Oil	1	093-7521	093-7521	--	--	--
BZL2211-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - UHE	2	207-5035	--	--	207-5035	--
Oil	1	093-7521	093-7521	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

1290T, 1290T II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BZM1-1419						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air - Cab	1	185-8154	185-8154	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
BZM1420-2259						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BZM1420-2259 (Continued)						
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--
BZM2260-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

1390

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B3F1-2312						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B3F2313-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cartridge	3	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

2290, 2390, 2391, 2491, 2590

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

2290, 2390, 2391, 2491, 2590 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
P2D1-UP, P3H250-UP, P4K1-UP, P5J1-UP, P6B1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air Primary	1	142-1339	142-1339	--	220-0453	--
Air Secondary	1	142-1404	142-1404	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic	1	5I-8670	5I-8670	--	--	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Oil	1	093-7521	093-7521	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
THX1-UP (Engine), THX1-UP (Engine), THX1-UP (Engine), THX1-UP (Engine), THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	2	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic Systems

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems, Hydrostatic Transmission					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Transmission

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Power Shift Transmission					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	4	-110

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Drive Axles for IT12 - IT62 Machines					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-25	15	-13	59
Cat TDTO	SAE 30	-20	43	-4	110
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-30	43	-22	110

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease.
Application Point: Articulation Bearings, Axle Oscillation Bearings, Bucket Pivot Bearings, Drive Shaft Spline, Drive Shaft, Support Bearing, Drive Shaft Universal Joint, Frame Pivot Bearings, Steering Cylinder Bearings, Steering Shaft, Wheel Brake Camshafts

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Continuous and aggressive tight truck loading, hard bank excavation, and shot rock loading from a face.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	Maximum productivity in aggregate truck loading and hopper charging. Assumes the normal tramming and load and carry associated with the high productivity stockpile load-out and batch plant applications.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Light utility, construction, low production aggregate truck loading, and most logging applications where there is considerable idling, empty traveling, and load and carry.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

IT12F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1KF1-819						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary-Radial Seal	1	7W-3920	7W-3920	--	--	--
Air Secondary	1	7C-1062	7C-1062	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic	1	9T-7656	--	--	9T-7656	--
1KF820-1004						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Primary-Radial Seal	1	7W-3920	7W-3920	--	--	--
Air Secondary	1	7C-1062	7C-1062	--	--	--
Air Secondary	1	6I-6582	6I-6582	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic	1	9T-7656	--	--	9T-7656	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1KF1005-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Primary-Radial Seal	1	7W-3920	7W-3920	--	--	--
Air Secondary	1	7C-1062	7C-1062	--	--	--
Air Secondary	1	6I-6582	6I-6582	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
2ZF1-7590 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2ZF7591-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT14G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1WN1-250						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
1WN251-659						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1WN251-659 (Continued)						
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
1WN660-1038						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--

(Continued)

IT14G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1WN660-1038 (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
1WN1039-1333						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
1WN1334-1378						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
1WN1379-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5HK11200-11200 (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
5HK11201-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8ZM1-195						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
8ZM196-331						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
8ZM332-525						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
8ZM526-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
FWL1-UP, KZN1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT18B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1DF1-350						
Hydraulic	1	2P-5834	2P-5834	--	--	--
1DF351-1084						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
1DF1085-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
45V57072-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4ZD1-376						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4ZD377-UP						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT18F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2FG1500-4904, 97Z156-387 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2FG4905-UP, 97Z388-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5EJ1-999						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5EJ1-999 (Continued)						
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
5EJ1000-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

(Continued)

IT18F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6ZF1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6ZF1-UP (Continued)						
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT24F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2FG6264-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4NN1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	1W-8845	1W-8845	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4RR1-689, 97Z1450-3227 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4RR690-UP, 97Z3228-5312 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6KN1-181						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
6KN182-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
97Z5313-UP (Engine)						
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT28

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2KC1-1165						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	8N-5389	8N-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
2KC1166-UP						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V1-39561 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
45V39562-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
8JB1-821, 8JB1106-UP						
Hydraulic	1	2P-5834	2P-5834	--	--	--
8JB822-1105						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT28B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HF1-586						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
1HF587-UP						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
45V56301-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
5SD1-339						
Hydraulic	1	2P-5834	2P-5834	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5SD340-995						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
5SD996-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
7YJ1-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT28F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1JL1-202						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
1JL203-322						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
1JL323-375						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
1JL376-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1JL376-UP (Continued)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
3CL1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4TF8700-14726, 98Z820-4538 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
4TF14727-UP, 98Z4539-15831 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z15832-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT28G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF25000-UP, 6RR1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
8CR1-957						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
8CR958-1702, 9AR1-446						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
8CR1703-2061, 9AR447-669						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
8CR2062-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8CR2062-UP (Continued)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
98Z1-130 (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z131-UP (Engine)						
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
9AR670-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
CPT1-UP (Engine)						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
DBT1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

(Continued)

IT28G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
EWF1-372						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel	1	234-7967	234-7967	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
EWF373-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel	1	234-7967	234-7967	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
EWF373-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
WAC1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT38F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF22700-28599, 98Z7720-16999 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF28600-32197, 98Z17000-21180 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
4TF32198-UP, 98Z21181-26077 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5DR1-267						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5DR1-267 (Continued)						
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
5DR268-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

(Continued)

IT38F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6FN1-438						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6FN439-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
98Z26078-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT38G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1CW1-328						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	157-3862	157-3862	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
1CW329-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	157-3862	157-3862	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1CW329-UP (Continued)						
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
55K652-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6JK1-UP (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
7BS1-404						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--

(Continued)

IT38G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BS1-404 (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
7BS405-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BS405-UP (Continued)						
Air Secondary	1	6I-2502	6I-2502	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT38G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5GG1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BMA28000-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
CSX1-UP, JAN1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary - UHE	1	132-7165	--	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT38H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-5530 (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E5531-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Primary	1	322-9532	322-9532	--	--	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--

(Continued)

IT38H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JNJ1-389						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	144-0832	--	--	144-0832	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JNJ390-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Transmission	1	341-6643	341-6643	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT62G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
55K2852-5147 (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
55K5148-UP (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6JK1-UP (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6PS1-UP, AKP1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT62G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

IT62G II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AYA1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary - UHE	1	132-7165	--	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BMA1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

IT62H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C7C1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
M5G1-474						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
M5G475-602						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
M5G603-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Transmission	1	341-6643	341-6643	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	

Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	14.9	122
Cat DEO-ULS	SAE 10W-30	-18	40	-0.4	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic Systems

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems, Swing Motor and Travel Motor					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	-40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122
Hydraulic Systems for M Series Motor Graders					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat DEO/DEO-ULS Cold Weather	SAE 0W--40	-25	45	-22	113
Cat HYDO Advanced 10	SAE 10W	-15	40	5	104
Cat HYDO Advanced 30	SAE 30	20	50	68	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-25	45	-13	113

Lubricants - Transmission

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Transmission					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110
All Wheel Drive Gearbox					
Cat TDTO	SAE 50	-15	50	5	122

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Differential and Final Drive					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110
Tandem Drive {A} and Wheel Spindle Bearings					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-20	25	-13	77
Cat TDTO	SAE 50	-15	50	5	122
Cat TDTO-TMS	TDTO-TMS	-30	25	-22	77
{A} For the Tandem Drive, add 0.015 L (0.015 qt) of 1U-9891 oil additive per 1 L (1 qt) of oil					

Lubricants - Circle Drive

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Circle Drive except 16H, 24H, 16M and 24M Series					
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122
Cat SYN GO	SAE 75W-140	-30	45	-22	113
Motor Graders Circle Drive for 16H, 24H, 16M and 24M					
Cat FDAO SYN	FDAO SYN	-15	50	5	122

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease.
Application Point: Articulation Bearings, Articulation Pins, Blade Lift Cylinder Socket, Centershift Cylinder Socket, Fan Drive Belt Tightener, Pump Drive Shaft

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Ditching, fill spreading, spreading base material, ripping, heavy road maintenance, snow plowing.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	Average road maintenance, road mix work, scarifying, snow plowing.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Finish grading, light maintenance,road travel.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

12G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z1629-18851 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
08Z18852-21156, 8TD4500-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z21157-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2EA1-18591, 4LE1-350 (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2EA18592-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3PL1-841						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3PL1-841 (Continued)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
3PL842-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
3WC1-1044						
Air - Cab	1	5G-1913	5G-1913	--	--	--
3WC1045-1066						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

(Continued)

12G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3WC1067-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
61M1-1482, 61M7356-8400						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
61M1483-7355						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
61M8401-11962, 61M11965-11965						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
61M11963-11964, 61M11966-12026, 61M14997-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
61M11963-11964, 61M11966-12026, 61M14997-UP (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
61M12027-14996						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

12H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z83000-UP, 10Z1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1251-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1251-UP (Continued)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
2GS1-379						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

(Continued)

12H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2GS1-379 (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2GS380-652						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
2GS653-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
2LR1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2WR1-525						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2WR526-565						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2WR566-1193						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2WR1194-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--

(Continued)

12H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2WR1194-UP (Continued)						
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4ER1-551						
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4ER552-840						
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4ER841-1133						
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
4ER1134-UP						
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4XM1-1147						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4XM1148-2008						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4XM2009-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4ZF4479-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

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12H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5ZM1-297						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
5ZM298-303						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
5ZM304-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
8MN1-459						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
8MN460-627						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2500	6I-2500	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8MN460-627 (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
8MN628-917						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
8MN918-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
8TD10000-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
AMZ1-821						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

(Continued)

12H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AMZ1-821 (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
AMZ822-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Transmission - ADV	1	328-3655	--	328-3655	--	--
CBK1-952						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CBK953-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
R6J1-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
XZJ1-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

12K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

12K (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JJA1-UP, SZP1-111						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Transmission - ADV	1	328-3655	--	328-3655	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
SZP112-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

12M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B9F1-324						
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
B9F325-UP, B9R1-UP						
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B9F325-UP, B9R1-UP (Continued)						
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
CZM1-4533 (Transmission)						
Engine Oil	1	338-3540	338-3540	--	--	--

(Continued)

12M (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CZM4534-UP (Transmission)						
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

14G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2CA1-1403, 96U560-562, 96U564-564, 96U566-567, 96U569-569, 96U571-572, 96U574-582, 96U584-4126 (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2CA1404-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
96U4785-6694						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
96U6695-6983						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
96U6984-7045, 96U9582-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
96U7046-8861, 96U8874-8874, 96U8876-8876, 96U8880-8880, 96U8892-8893, 96U8918-8918, 96U8935-8935, 96U8954-9581						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
96U8862-8873, 96U8875-8875, 96U8877-8879, 96U8881-8891, 96U8894-8917, 96U8919-8934, 96U8936-8953						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
R6J1-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

14H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

14H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z84300-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
3PD1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
5LX1-1598 (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
5LX1599-UP, BSS1-UP (Transmission)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
7WJ1-1121						
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
7WJ1122-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
7WJ1122-UP (Continued)						
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
ASE1-837, ASE1380-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
ASE838-1379						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
R6J1-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

14M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B9J1-120, B9J1246-UP						
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab Re-circulation	1	211-2660	211-2660	--	--	--
Air Primary	1	245-3818	245-3818	--	--	--
Air Secondary	1	245-3819	245-3819	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
B9J121-1245						
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab Re-circulation	1	211-2660	211-2660	--	--	--
Air Primary	1	245-3818	245-3818	--	--	--
Air Secondary	1	245-3819	245-3819	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B9J121-1245 (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--
DGY1-UP, DZM1-1600 (Transmission)						
Engine Oil	1	338-3540	338-3540	--	--	--
DZM1601-UP (Transmission)						
Engine Oil	1	338-3540	338-3540	--	--	--
Transmission - ADV	1	328-3655	--	328-3655	--	--
RSX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

16G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
2DA1-1740 (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2DA1741-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
70V4105-8264 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
70V8265-20134 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
70V20135-27198 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
70V27199-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

(Continued)

16G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
93U1-605, 93U607-607, 93U611-615, 93U617-622, 93U624-629, 93U631-636, 93U638-639, 93U641-1658						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
93U606-606, 93U608-610, 93U616-616, 93U623-623, 93U630-630, 93U637-637, 93U640-640, 93U1659-1868						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
93U1869-2457						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
93U2458-2510						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
93U2511-2661						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
93U2662-2986						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
93U2662-2986 (Continued)						
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
93U2987-3459						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
93U3460-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

16H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

16H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N13000-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z1-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
5ED478-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
5MX1-1024 (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
5MX1025-UP, DWH1-UP (Transmission)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
6ZJ1-168						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
6ZJ169-508						
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
6ZJ509-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
ATS1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

16M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

16M (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B9H1-UP						
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab Re-circulation	1	211-2660	211-2660	--	--	--
Air Primary	1	245-3818	245-3818	--	--	--
Air Secondary	1	245-3819	245-3819	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DGY1-UP, DZM1-1600 (Transmission)						
Engine Oil	1	338-3540	338-3540	--	--	--
DZM1601-UP (Transmission)						
Engine Oil	1	338-3540	338-3540	--	--	--
Transmission - ADV	1	328-3655	--	328-3655	--	--
MHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

24H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7KK1-66						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	078-0070	078-0070	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
7KK67-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7KK67-UP (Continued)						
Air Secondary	1	106-3973	106-3973	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Engine Oil	1	4I-3950	--	4I-3950	126-1814	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
80M1-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

24M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B9K1-324						
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary	1	245-3818	245-3818	--	--	--
Air Secondary	1	245-3819	245-3819	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
B9K325-UP						
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary	1	245-3818	245-3818	--	--	--
Air Secondary	1	245-3819	245-3819	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B9K325-UP (Continued)						
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--
RHX2054-2093 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
RHX2094-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

120G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
07Z500-6687 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
07Z6688-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
11W1239-1250						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
11W1251-UP, 4HD1-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2FA1-UP, 8XE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4ME1-334, 87V736-737, 87V739-743, 87V745-746, 87V750-754, 87V760-761, 87V763-768, 87V770-771, 87V776-5039 (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4ME335-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
87V5734-8318						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
87V8319-8359						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

(Continued)

120G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
87V8360-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9CB1-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

120H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1241-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
2AN1-171						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2AN172-317						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2AN172-317 (Continued)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2AN318-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4MK1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134

(Continued)

120H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF48881-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5FM1-2629						
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
5FM2630-UP						
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
5GG1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
6NM1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6TM1-427						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
6TM428-442						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
6TM443-UP						
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
6YN1-318, 9YR1-658						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
6YN319-344, 9YR659-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
6YN345-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--

(Continued)

120H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6YN345-UP (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
98Z4100-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
ALZ1-199						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
Transmission - ADV	1	328-3655	--	328-3655	--	--
ALZ200-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ALZ200-UP (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
Transmission - ADV	1	328-3655	--	328-3655	--	--
BMA1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
CAF1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

120K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

120K (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JAP1-UP, SZN1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JAP1-UP, SZN1-UP (Continued)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Transmission - ADV	1	328-3655	--	328-3655	--	--
KHX13472-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

120M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B9C1-287, B9N1-205, B9W1-126, D9W1-108						
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
B9C288-UP, B9N206-UP, B9W127-UP, CBS1-UP, D9W109-UP, NJD1-UP, PJB1-UP						
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B9C288-UP, B9N206-UP, B9W127-UP, CBS1-UP, D9W109-UP, NJD1-UP, PJB1-UP (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
CZM1-UP (Transmission)						
Engine Oil	1	338-3540	338-3540	--	--	--
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

130G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

130G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
07Z1-499 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
07Z500-5693 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
07Z5694-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
12W1-695						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
12W696-1081						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
12W1082-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
1HC1-UP, 2EA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4LE1-350, 74V388-388, 74V390-390, 74V392-396, 74V398-398, 74V400-403, 74V405-1582 (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4LE351-UP, 8YE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
74V1771-2309						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
74V2310-2320						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
74V2321-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

135H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3YK1-352						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
3YK1-352 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
3YK353-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--

(Continued)

135H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3YK353-UP (Continued)						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
4TF60931-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5GG1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
7MM1-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
8WN1-795						
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
8WN796-UP						
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8WN796-UP (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
98Z4100-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
AMX1-191						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
Transmission - ADV	1	328-3655	--	328-3655	--	--
AMX192-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Transmission - ADV	1	328-3655	--	328-3655	--	--
BDJ1-110						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--

(Continued)

135H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BDJ1-110 (Continued)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
BDJ111-117						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
BDJ118-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BMA1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
CBC1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

140G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
10Z42848-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
13W443-735, 13W993-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13W736-740						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
13W741-992, 5MD1-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--

(Continued)

140G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13W741-992, 5MD1-UP (Continued)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
2EA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4LE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
72V1-403, 72V4005-4836						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
72V404-4004						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
72V4837-10213, 72V10284-10284						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
72V4837-10213, 72V10284-10284 (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
72V10214-10283, 72V10285-10333						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
72V10334-UP						
Air - Cab	1	5G-1913	5G-1913	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
8TD1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
KHX16810-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

140H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
10Z1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1261-UP, APM1-2574, CCA1-1866						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
2ZK1-3425						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2ZK3426-3865						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2ZK3426-3865 (Continued)						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
2ZK3866-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
3AS1-474, 9TN1-796						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3AS475-UP, 9TN797-1453						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--

(Continued)

140H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3AS475-UP, 9TN797-1453 (Continued)						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
3PD1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
5HM1-1411						
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
5HM1412-2102						
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
5HM2103-UP						
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
8JM1-289						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
8JM290-290						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
8JM291-295, XZH1-UP						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134

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140H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8JM296-UP						
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second- ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
8KM1-297						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second- ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
8KM298-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second- ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
8TD1-UP (Engine)						
Fuel Second- ary - ADV	1	1R-0750	--	1R-0750	--	--
9TN1454-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second- ary- Axial Seal	1	6I-0274	6I-0274	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9TN1454-UP (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
9ZN1-646						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second- ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
9ZN647-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second- ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
APM2575-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second- ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
Transmission - ADV	1	328-3655	--	328-3655	--	--

(Continued)

140H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ARF1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
CCA1867-1867						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CCA1867-1867 (Continued)						
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
CCA1868-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
R6J1-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

140K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JPA1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Transmission - ADV	1	328-3655	--	328-3655	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
SZL1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--

(Continued)

140K (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SZL1-UP (Continued)						
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SZL1-UP (Continued)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

140M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B9D1-UP, B9G1-UP, B9M178-UP, D9G1-UP						
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--
B9M1-177						
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CZM1-4533 (Transmission)						
Engine Oil	1	338-3540	338-3540	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CZM4534-UP (Transmission)						
Transmission - ADV	1	328-3655	--	328-3655	--	--
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

143H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z75200-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1AL1-557						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
1AL558-628						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
1AL629-1234						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
1AL629-1234 (Continued)						
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
1AL1235-1246						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
1AL1247-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	4C-6860	134-0964	--	4C-6860	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
3PD1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

(Continued)

143H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
APN1-555						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
APN556-774						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
APN556-774 (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
Transmission - ADV	1	328-3655	--	328-3655	--	--
APN775-UP						
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Transmission - ADV	1	328-3655	--	328-3655	--	--
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

160G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z32206-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2EA1-18591 (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2EA18592-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

(Continued)

160G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4JD141-183						
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4JD184-UP						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4JD184-UP (Continued)						
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

160H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z75200-UP, 8TD10000-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
10Z1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2FM1-487						
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
2FM488-684						
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2FM488-684 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
2FM685-UP						
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
2HS1-383, 3GM1-88						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

(Continued)

160H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2HS1-383, 3GM1-88 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2HS384-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
3GM89-205						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
3GM206-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
3PD1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6WM1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
9EJ1-610						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
9EJ611-693						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--

(Continued)

160H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9EJ611-693 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
9EJ694-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
9JM1-355						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
9JM356-359, XZK1-UP						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
9JM360-UP						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
ASD1-193						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASD1-193 (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
Transmission - ADV	1	328-3655	--	328-3655	--	--
ASD194-555						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
Transmission - ADV	1	328-3655	--	328-3655	--	--
ASD556-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
Transmission - ADV	1	328-3655	--	328-3655	--	--
ATB1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--

(Continued)

160H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ATB1-UP (Continued)						
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second- ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
CCP1-310						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second- ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CCP1-310 (Continued)						
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
CCP311-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second- ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
R6J1-UP (Engine)						
Fuel Second- ary	1	1R-1712	1R-1712	--	--	--
Fuel Second- ary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

160K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JBP1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Second- ary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Transmission - ADV	1	328-3655	--	328-3655	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Second- ary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Second- ary - ADV	1	1R-0751	--	1R-0751	306-9199	--
SZM1-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--

(Continued)

160K (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SZM1-UP (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SZM1-UP (Continued)						
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

160M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B9E1-UP, B9L1-UP, B9T1-UP, D9T1-UP						
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab Recirculation	1	211-2660	211-2660	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CZM1-UP (Transmission)						
Engine Oil	1	338-3540	338-3540	--	--	--
Transmission - ADV	1	328-3655	--	328-3655	--	--
THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

163H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z75200-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
3PD1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
5AK1-178						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5AK1-178 (Continued)						
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

(Continued)

163H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5AK1-178 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
5AK179-423						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
5AK424-432						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
5AK433-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	4C-6860	134-0964	--	4C-6860	--
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5AK433-UP (Continued)						
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
ARL1-411						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
ARL412-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	2	231-4487	231-4487	--	--	--
Air - Cab	1	232-1732	232-1732	--	--	--
Air - Cab	1	231-4486	231-4486	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131

(Continued)

163H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ARL412-UP (Continued)						
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hoist and Brakes System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic System					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat TDTO	SAE 10W	-20	40	-4	104

Lubricants - Hydraulic System, Steering

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

(Continued)

Lubricants - Hydraulic System, Steering (Continued)

Oil Typeand Category	Oil Viscosities	Min °C	Max °F	Min °F	Max °F
Steeing Systems except for 785D, 793D, 793F and 797 (all models)					
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat MTO	MTO	-20	40	-4	104
Cat TDTO-TMS	TDTO-TMS	-15	50	5	122
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat DEO	SAE 10W-30	-20	40	-4	104
Cat DEO-ULS	SAE 10W-30	-20	40	-4	104
Cat DEO	SAE 15W-40	-15	50	5	122
Cat DEO-ULS	SAE 15W-40	-15	50	5	122
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat DEO-ULS SYN	SAE 5W-40	-30	40	-22	104
Steering Systems for 785D, 793D, 793F, 797B and 797F					
Cat HYDO Advanced 30	SAE 30	-5	50	23	122
Cat TDTO-TMs	TDTO-TMS	-15	50	5	122
Cat DEO	SAE 15W-40	-15	50	5	122
Cat DEO-ULS	SAE 15W-40	-15	50	5	122
Cat DEO-ULS SYN	SAE 5W-40	-30	40	-22	104

Lubricants - Transmission

Some Off-Highway Truck torque converters have a common sump with the transmission. These torque converters will use the same fluid recommendations as the transmission. The affected Off-Highway Truck models include 769D, 770, 771D, 772, 773D, 773E, 773F, 775D, 775E, 775F, 793C-F, and all 797 models.

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Powershift Transmission in Off-Highway Trucks except for 768C, 769C, 770, 771C, 768D, 769D, 771D, and 797 Off-Highway Trucks					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	50	32	122
Cat TDTO-TMS	TDTO-TMS	-10	50	14	122
Powershift Transmission for 768C, 769C, 771C, 768D, 769D, 771D and 772 Off-Highway Trucks					
Cat TDTO Cold Weather	SAE 0W-20	-40	22	-40	72
Cat TDTO	SAE 10W	-20	22	-4	72
Cat TDTO	SAE 30	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	10	50	50	122
Powershift Transmission in 797 (all models)					
Cat TDTO	SAE 30	-6	50	-6	122

Lubricants - Final Drives / Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).
For Temperatures below -10°C, refer to OMM or SEBU6250 for oil warm-up procedure.

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Differential, Front Wheels and Final Drives					
Cat FDAO	SAE 60	-10	50	14	122
Cat FDAO SYN	FDAO SYN	-10	50	14	122

Lubricants - Special Application

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Powered Stairway for 795 AC					
Cat TDTO Cold Weather	SAE 0W-20	0	50	32	122
Cat TDTO	SAE 10W	0	50	32	122

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease. For AutoLube Systems, use Ultra 5Moly Grease.
Application Point: Belt Tightener, Drive Shaft Slip Joint, Drive Shaft Spline, Drive Shaft Universal Joint, Fan Drive Pulley, Hoist Control Bellcrank, Hoist Cylinder Bearing, Pump Drive Universal Joint, Front and Rear Axle A-Frame Bearing, Steering Cylinder End, Steering Linkage, Steering Tie Rod and Pin Bearings, Swaybar, Tachometer Drive

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	40-50% load factor.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	30-40% load factor.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	20-30% load factor.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The “Part Number” column represents the “As Shipped” filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

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Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by “(Engine)” following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

769C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
01X1-1280						
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
01X1281-2126						
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
01X2127-2876						
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
01X2877-3745						
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
01X2877-3745 (Continued)						
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
01X3746-4847						
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
01X4848-4885						
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
01X4886-5473						
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

(Continued)

769C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
01X4886-5473 (Continued)						
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
01X5474-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
48W4828-9074 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
48W9075-29322, 48W29324-29366, 48W29368-29372, 48W29374-29378, 48W29380-29386, 48W29388-29396, 48W29398-29398, 48W29400-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
48W29323-29323, 48W29367-29367, 48W29373-29373, 48W29379-29379, 48W29387-29387, 48W29397-29397, 48W29399-29399 (Engine)						
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
5XD1-UP, 99C1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

769D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5SS1-399						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5SS400-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--

(Continued)

769D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5TR1-368						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
5TR369-504						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
5TR505-1054						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
5TR1055-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XD1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
99C1-1299 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
99C1300-1716 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
99C1717-UP (Engine)						
Coolant	1	9N-6123	9N-6123	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BBB1-323						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
BBB324-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--

(Continued)

769D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BBB324-UP (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BBB324-UP (Continued)						
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

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Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BZZ1-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	246-5009	246-5009	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	142-1403	142-1403	--	--	--
Air Secondary	1	246-5010	246-5010	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BZZ1-UP (Continued)						
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

771C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3BJ1-91						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	9X-8241	9X-8241	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3BJ92-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

(Continued)

771C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
48W34165-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
99C1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

771D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XD1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6JR1-108						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
6JR109-134						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6JR109-134 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
6JR135-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
6YS1-250						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--

(Continued)

771D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6YS1-250 (Continued)						
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
6YS251-UP, BCA1-229						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
99C1-1716 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
99C1717-UP (Engine)						
Coolant	1	9N-6123	9N-6123	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
BCA230-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

772

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RHX1-UP (Engine)						
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Second-ary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
RLB1-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RLB1-UP (Continued)						
Air Primary	1	246-5009	246-5009	--	--	--
Air Primary	1	142-1340	142-1340	--	220-0454	--
Air Secondary	1	246-5010	246-5010	--	--	--
Air Secondary	1	142-1403	142-1403	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

772B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
64W1-154						
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
64W155-160						
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
64W161-167						
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
64W161-167 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
64W168-173						
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
64W174-177						
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--

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772B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
64W174-177 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
64W178-180						
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
64W181-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
64W181-UP (Continued)						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
73W1-5162, 73W9610-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
73W5163-9609 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
80M1-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

773B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

773B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
63W1-843						
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
63W844-1026						
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
63W1027-1220						
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
63W1027-1220 (Continued)						
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
63W1221-1823						
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
63W1824-2780						
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
63W2781-3159						
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--

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773B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
63W2781-3159 (Continued)						
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
63W3160-3295						
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
63W3296-UP						
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
63W3296-UP (Continued)						
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
73W1-5162, 73W9610-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
73W5163-9609 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
80M1-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

773D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1KR1-UP, 80M1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
5JJ1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7CS1-480						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--

(Continued)

773D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7CS1-480 (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
7CS481-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
7ER1-273						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Coolant	1	9N-3366	9N-3366	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7ER1-273 (Continued)						
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
7ER274-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
NBJ1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

773E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

773E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5JJ264-UP, KPH1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
ASK1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	282-5339	282-5339	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
BDA1-478						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BDA1-478 (Continued)						
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
BDA479-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

773F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

773F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
EED1-972					
Air - Cab	1	107-0266	107-0266	--	--
Air - Cab	1	220-8800	220-8800	--	--
Air - Cab	1	149-1912	149-1912	--	--
Air - Cab	1	282-5339	282-5339	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841
Air Primary	1	246-5009	246-5009	--	--
Air Secondary	1	246-5010	246-5010	--	--
Engine Oil	1	338-3540	338-3540	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Hydraulic	1	134-0964	134-0964	--	4C-6860
Hydraulic - UHE	1	126-1813	--	--	126-1813

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
EED973-UP, EXD1-UP					
Air - Cab	1	107-0266	107-0266	--	--
Air - Cab	1	220-8800	220-8800	--	--
Air - Cab	1	149-1912	149-1912	--	--
Air - Cab	1	282-5339	282-5339	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841
Air Primary	1	246-5009	246-5009	--	--
Air Secondary	1	246-5010	246-5010	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Hydraulic	1	134-0964	134-0964	--	4C-6860
Hydraulic - UHE	1	126-1813	--	--	126-1813
Transmission - ADV	1	328-3655	--	328-3655	--
EHX2109-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

775B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
73W1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
7XJ1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7XJ1-UP (Continued)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
80M1-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

775D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

775D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5JJ1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6KR1-105						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3717	9N-3717	--	--	--
Coolant	1	9N-3366	9N-3366	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
6KR106-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
80M1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
8AS1-324						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8AS1-324 (Continued)						
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
8AS325-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

775E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

775E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
80M4530-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BEC1-300						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BEC1-300 (Continued)						
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
BEC301-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	2	130-3212	--	130-3212	126-1814	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

775F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DLS1-994					
Air - Cab	1	107-0266	107-0266	--	--
Air - Cab	1	220-8800	220-8800	--	--
Air - Cab	1	149-1912	149-1912	--	--
Air - Cab	1	282-5339	282-5339	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841
Air Primary	1	246-5009	246-5009	--	--
Air Secondary	1	246-5010	246-5010	--	--
Engine Oil	1	338-3540	338-3540	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Hydraulic	1	134-0964	134-0964	--	4C-6860
Hydraulic - UHE	1	126-1813	--	--	126-1813

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
DLS995-UP, EYG1-UP					
Air - Cab	1	107-0266	107-0266	--	--
Air - Cab	1	220-8800	220-8800	--	--
Air - Cab	1	149-1912	149-1912	--	--
Air - Cab	1	282-5339	282-5339	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841
Air Primary	1	246-5009	246-5009	--	--
Air Secondary	1	246-5010	246-5010	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Hydraulic	1	134-0964	134-0964	--	4C-6860
Hydraulic - UHE	1	126-1813	--	--	126-1813
Transmission - ADV	1	328-3655	--	328-3655	--

(Continued)

775F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
LJX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

776C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2TK1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	6N-6072	6N-6072	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7YG1-211 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel	1	1R-0715	1R-0715	--	--	--
7YG212-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

776D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2GR1-UP (Engine)						
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	123-6856	123-6856	--	--	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
5ER1-122						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	1N-4864	1N-4864	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5ER1-122 (Continued)						
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
5ER123-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

(Continued)

776D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AFS1-80						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AFS81-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

777

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2GR1-UP (Engine)						
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	123-6856	123-6856	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
84A1-1283						
Air - Cab	1	2G-1946	2G-1946	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
84A1284-UP						
Air - Cab	1	2G-1946	2G-1946	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

777B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2GR1986-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
4YC1-1387						
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Primary	1	132-7170	4W-5716	--	132-7170	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Air Secondary	1	6N-6072	6N-6072	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4YC1388-UP						
Air - Cab	1	8D-6644	8D-6644	--	--	--
Air - Cab	1	2G-1946	2G-1946	--	--	--
Air Secondary	1	6N-6072	6N-6072	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
99W1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel	1	1R-0715	1R-0715	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

777C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2GR8016-UP, 7YG212-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
4XJ1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	9X-8241	9X-8241	--	--	--
Air Primary	1	132-7170	4W-5716	--	132-7170	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	6N-6072	6N-6072	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4XJ1-UP (Continued)						
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
7YG1-211 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel	1	1R-0715	1R-0715	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

777D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

777D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2GR1-UP (Engine)						
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	123-6856	123-6856	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
2YW1-105						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
2YW106-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
3PR1-1007						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3PR1008-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
8BR1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
AGC1-776						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
AGC777-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--

(Continued)

777D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AGC777-UP (Continued)						
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
AGY1-80						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
AGY81-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AGY81-UP (Continued)						
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
C8T1-UP (Engine)						
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
FKR1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	282-5339	282-5339	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
JDM1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

777F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

777F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JRP1-1867						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	282-5339	282-5339	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	246-5009	246-5009	--	--	--
Air Secondary	1	246-5010	246-5010	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
JRP1868-UP, JXP124-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	282-5339	282-5339	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	246-5009	246-5009	--	--	--
Air Secondary	1	246-5010	246-5010	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Transmission - ADV	1	328-3655	--	328-3655	--	--
JXP1-123						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	220-8800	220-8800	--	--	--
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	282-5339	282-5339	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary	1	246-5009	246-5009	--	--	--
Air Secondary	1	246-5010	246-5010	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Transmission - ADV	1	328-3655	--	328-3655	--	--
LJW1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

784B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4WJ1-277 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
4WJ278-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
5RK1-13						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air - Charcoal	3	141-7903	141-7903	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

(Continued)

784B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5RK1-13 (Continued)						
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
5RK14-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5RK14-UP (Continued)						
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

784C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2PZ1-105						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	1C-6405	1C-6405	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
2PZ106-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2PZ106-UP (Continued)						
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	1C-6405	1C-6405	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
8BR1-815 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Second-ary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
8BR816-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Second-ary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	225-4118	225-4118	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

785

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

785 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8BR605-815 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
8BR816-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
8GB1-405						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8GB406-676						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
8GB677-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
96Z212-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

785B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4WJ1-277 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
4WJ278-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	225-4118	225-4118	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6HK1-432						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air - Charcoal	3	141-7903	141-7903	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

(Continued)

785B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6HK433-522						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
6HK523-586						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6HK523-586 (Continued)						
Fuel - FWS	1	111-0716	111-0716	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
6HK587-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

785C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HW1-105						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	1C-6405	1C-6405	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
1HW106-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HW106-UP (Continued)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	1C-6405	1C-6405	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
5AZ1-399						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5886	251-5886	--	292-5863	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Hydraulic	1	1C-6405	1C-6405	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
5AZ400-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5886	251-5886	--	292-5863	--
Air Secondary	1	1W-3636	1W-3636	--	--	--

(Continued)

785C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5AZ400-UP (Continued)						
Hydraulic	1	1C-6405	1C-6405	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
7TR1-1460 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
7TR1461-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
8BR1-815 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
8BR816-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
APX1-367						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	1C-6405	1C-6405	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
APX368-409						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	1C-6405	1C-6405	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
APX410-874						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	1C-6405	1C-6405	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
APX875-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

785D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B7F1-99 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
B7F100-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
DMC1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Secondary	1	267-3004	267-3005	--	267-3004	--
Fuel - FWS	1	316-9954	316-9954	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Transmission - ADV	1	328-3655	--	328-3655	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MSY1-79						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Secondary	1	267-3004	267-3005	--	267-3004	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS	1	316-9954	316-9954	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
MSY80-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Secondary	1	267-3004	267-3005	--	267-3004	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS	1	316-9954	316-9954	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

787B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2PK450-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
9TM1-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9TM1-UP (Continued)						
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

789

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
54Z1-851 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
54Z852-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
9ZC1-346						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	8M-3119	8M-3119	--	--	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9ZC347-610						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
9ZC611-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

789B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2PK1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel	1	1R-0715	1R-0715	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
7EK1-230						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air - Charcoal	3	141-7903	141-7903	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7EK1-230 (Continued)						
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

(Continued)

789B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7EK231-370						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
7EK371-444						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7EK371-444 (Continued)						
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
7EK445-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

789C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2BW1-124						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel - FWS	1	316-9954	316-9954	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
2BW125-139						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	1W-3637	1W-3637	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2BW125-139 (Continued)						
Air Secondary	1	1W-3636	1W-3636	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel - FWS	1	316-9954	316-9954	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
2BW140-510						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5886	251-5886	--	292-5863	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel - FWS	1	316-9954	316-9954	--	--	--

(Continued)

789C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2BW140-510 (Continued)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
2BW511-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5886	251-5886	--	292-5863	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel - FWS	1	316-9954	316-9954	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2BW511-UP (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
7TR1-1271 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
7TR1272-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

793

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3SJ1-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	4T-6915	4T-6915	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3SJ1-UP (Continued)						
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
54Z570-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel	1	1R-0715	1R-0715	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

793B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

793B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HL1-101						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air - Charcoal	3	141-7903	141-7903	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
1HL102-322						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
1HL323-403						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
1HL404-451						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
1HL404-451 (Continued)						
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
1HL452-465						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
1HL466-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
2PK1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel	1	1R-0715	1R-0715	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

(Continued)

793B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4AR1-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4AR1-UP (Continued)						
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
7TR1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Second-ary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

793C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4AR1-78						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
4AR79-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4AR79-UP (Continued)						
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
4GZ1-162						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

(Continued)

793C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4GZ163-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
7TR1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
8WM1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
ATY1-707						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ATY1-707 (Continued)						
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
ATY708-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Fuel - FWS	1	111-0716	111-0716	--	--	--
Fuel - FWS	1	316-9954	316-9954	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
CBR1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

793D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

793D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7TR1-UP, 8WM1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
FDB1-437						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Engine Oil	2	277-5812	277-5812	--	--	--
Fuel - FWS	1	316-9954	316-9954	--	--	--
Hydraulic	2	152-6902	--	152-6902	207-5035	--
Hydraulic	2	249-2337	249-2337	--	--	--
Hydraulic	1	332-1871	332-1871	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
FDB1-437 (Continued)						
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
FDB438-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Cleaner - Air	1	245-7451	245-7451	--	--	--
Engine Oil	2	277-5812	277-5812	--	--	--
Fuel - FWS	1	316-9954	316-9954	--	--	--
Hydraulic	2	152-6902	--	152-6902	207-5035	--
Hydraulic	2	249-2337	249-2337	--	--	--
Hydraulic	1	332-1871	332-1871	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - FR	1	156-0214	--	--	--	156-0214
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

793F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
B7B1-UP (Engine)					
Engine Oil	2	340-6283	340-6283	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
SSP1-UP					
Air - Cab	1	326-7963	326-7963	--	--
Air - Cab	1	107-0266	107-0266	--	--
Air Primary	1	231-0167	231-0167	--	--
Air Secondary	1	267-3004	267-3005	--	267-3004
Engine Oil	1	293-3648	293-3648	--	--
Engine Oil	1	293-3645	293-3645	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
SSP1-UP (Continued)					
Engine Oil	1	340-0402	340-0402	--	--
Fuel - FWS	1	316-9954	316-9954	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic	1	340-0403	340-0403	--	--
Hydraulic	1	340-0406	--	340-0406	340-0404
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Transmission - ADV	1	328-3655	--	328-3655	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

797

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

797 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1AW1-558, 2CS1-990 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
1AW559-UP, 2CS991-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
5JY1-711, 5ST1-UP (Transmission)						
Hydraulic - UHE	2	167-2009	--	--	167-2009	4T-3133
5YW1-233						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel Primary	1	155-2952	155-2952	--	--	--
Hydraulic	1	159-2967	159-2967	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	166-6892	166-6892	--	--	--
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5YW234-237						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Primary	1	1W-3637	1W-3637	--	--	--
Air Secondary	1	1W-3636	1W-3636	--	--	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel Primary	1	155-2952	155-2952	--	--	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
5YW238-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel Primary	1	155-2952	155-2952	--	--	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

797B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1AW559-UP, 2CS991-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
5JY677-UP, 5ST121-UP, DSP1-UP, T6B1-UP (Transmission)						
Hydraulic - UHE	2	167-2009	--	--	167-2009	4T-3133

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
A4K1-UP (Engine)						
Engine Oil	2	340-6283	340-6283	--	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
JSM1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	251-5885	251-5885	--	292-5862	--
Air Secondary	1	9Y-7663	9Y-7663	--	--	--
Fuel	1	222-6713	222-6713	--	--	--

(Continued)

797B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JSM1-UP (Continued)						
Fuel - FWS	1	316-9954	316-9954	--	--	--
Fuel Primary	1	155-2952	155-2952	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic	2	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JSM1-UP (Continued)						
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - Cartridge	2	166-6892	166-6892	--	--	--
Hydraulic - Cartridge	2	1R-0792	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

797F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
LAJ1-UP					
Air - Cab	1	326-7963	326-7963	--	--
Air - Cab	1	107-0266	107-0266	--	--
Air Primary	1	231-0167	231-0167	--	--
Engine Oil	1	293-3646	293-3646	--	--
Engine Oil	1	340-0402	340-0402	--	--
Engine Oil	1	293-3645	293-3645	--	--
Fuel - FWS	1	316-9954	316-9954	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
Hydraulic	1	340-0406	--	340-0406	340-0404

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
LAJ1-UP (Continued)					
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809
Transmission - ADV	1	328-3655	--	328-3655	--
LLM1-UP (Engine)					
Engine Oil	2	340-6283	340-6283	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--
R1N1-UP, T1H1-UP (Transmission)					
Hydraulic	1	340-0404	--	--	340-0404

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	

Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic Systems

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).
For hydraulic system recommendations for machines not listed below, please consult the Operation and Maintenance Manual for that machine.

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems except for PS-150C					
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Hydraulic System for PS-150C					
Cat TDTO-TMS	TDTO-TMS	-15	50	5	122

Lubricants - Transmissions

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

(Continued)

Lubricants - Transmissions (Continued)

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Powershift, Manual Transmission (if equipped)					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Drive Axles for Medium Compactors (815-826), Vibratory Soil Compactor model numbers with the E or higher suffix					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-25	15	-13	59
Cat TDTO	SAE 30	-20	43	-4	110
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-30	43	-22	110
Drive Axles for Large Compactcors					
Cat TDTO Cold Weather	SAE 0W-20	-40	-10	-40	14
Cat TDTO	SAE 10W	-25	0	-13	32
Cat TDTO	SAE 30	-20	20	-4	68
Cat TDTO	SAE 50	-10	50	14	122
Cat TDTO-TMS	TDTO-TMS	-25	22	-13	72
Axle for the Series 500 Vibratory Soil Compactor models with the D suffix or lower					
Cat MTO	SAE 10W-30	-25	40	-13	104
Vibratory Compactor (4) Eccentric Weight Housing, Final Drive Planetary Drum and Vibratory Support					
Cat SYN Compactor Oil	SYN Compactor Oil	-40	21	-40	70
Cat SYN Compactor Oil	SYN Compactor Oil	-20	50	-4	122
Propel Final Drive					
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110

Lubricants - Attachments

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Auger, Conveyor and Pump Drive Reducers					
Cat GO SYN	SAE 75W-140	-30	45	-22	113
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122

Lubricants - Undercarriage

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Track Mid Rollers					
Cat DEO-ULS SYN	SAE 5W-40	-35	40	-31	104

Greases

Application Point:Articulation Bearing, Control Cables, Drum Bearings, Leveling Blade, Operator Platform, Oscillating Bearings, Oscillating Pins, Steering Cylinder Ends, Steering Pins, Weight Bearings

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Vibration 80-100%, heavy cohesive soil, 350 mm (12) lifts or more.	-30, 50	-22, 122	2	Ultra 5Moly Grease
Medium	Vibration 50-80%, granular soil, 100 mm-305 mm (4-12) lifts.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Vibration 30-50%, asphalt mix, 51 mm-100 mm (2-4) lifts.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The “Part Number” column represents the “As Shipped” filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

CB14

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by “(Engine)” following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CAA1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
DST1-UP, DTT1-UP						
Air	1	234-9828	234-9828	--	--	--
Air Primary	1	139-4834	139-4834	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DST1-UP, DTT1-UP (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB22, CB24, CB32, CB34, CB34XW

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by “(Engine)” following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CB22, CB24, CB32, CB34, CB34XW (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2201-UP, 2401-UP, 3201-UP, 3451-UP, 3471-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CMY1-UP (Engine), CMY1-UP (Engine), CMY1-UP (Engine), CYP1-UP (Engine), CYP1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-214C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9XK1-UP						
Air	1	1G-7197	1G-7197	--	--	--
Engine Oil	1	081-2684	081-2684	--	--	--
Fuel	1	081-3242	081-3242	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9XK1-UP (Continued)						
Fuel	1	1G-7206	1G-7206	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-214D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1TZ1-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4ZW1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
Engine Oil	1	150-4140	150-4140	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-214E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2141-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSS1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-224C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3AL1-UP						
Air	1	1G-7197	1G-7197	--	--	--
Engine Oil	1	081-2684	081-2684	--	--	--
Fuel	1	081-3242	081-3242	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3AL1-UP (Continued)						
Fuel	1	1G-7206	1G-7206	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-224D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4ZW1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
Engine Oil	1	150-4140	150-4140	--	--	--
8RZ1-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8RZ1-UP (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-224E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2241-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSS1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-225D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CB-225D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4ZW1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
Engine Oil	1	150-4140	150-4140	--	--	--
9FZ1-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9FZ1-UP (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-225E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2251-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSS1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-314

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
6HD1-8			
Filter	1	098-0272	098-0272
Filter	1	078-0402	078-0402
Hydraulic	1	077-5795	077-5795
6HD9-UP			
Air Primary	1	077-4145	077-4145
Filter	1	098-0272	098-0272
Filter	1	078-0402	078-0402

Description	Qty.	Part Number	STND
6HD9-UP (Continued)			
Hydraulic	1	077-5795	077-5795

CB-334D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CB-334D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3JZ1-UP, 4CZ1-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
4HW1-UP (Engine)						
Engine Oil	1	150-4140	150-4140	--	--	--
Fuel	1	150-4142	150-4142	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
4ZW1-6017, 4ZW6158-6161 (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
Engine Oil	1	150-4140	150-4140	--	--	--
Fuel	1	150-4142	150-4142	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4ZW6018-6157, 4ZW6162-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
Engine Oil	1	150-4140	150-4140	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
DCZ1-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-334E, CB-334E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C3A1-UP, C3D1-UP, C4F1-UP, C4J1-UP, C4X1-UP, C3E1-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSD1-UP, CSS1-UP (Engine), CSS1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-335D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4HW1-UP (Engine)						
Engine Oil	1	150-4140	150-4140	--	--	--
Fuel	1	150-4142	150-4142	--	--	--
Fuel	1	033-7854	033-7854	--	--	--
4ZW1-6017, 4ZW6158-6161 (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
Engine Oil	1	150-4140	150-4140	--	--	--
Fuel	1	150-4142	150-4142	--	--	--
4ZW6018-6157, 4ZW6162-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
Engine Oil	1	150-4140	150-4140	--	--	--
Fuel	1	033-7854	033-7854	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5PZ1-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
BBW1-UP, D4E1-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--

(Continued)

CB-335D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BBW1-UP, D4E1-UP (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-335E, CB-335E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C5F1-UP, C5J1-UP, C3C1-UP, C3F1-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSD5943-UP, CSS1-UP (Engine), CSD1-UP, CSS1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-434

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
3TF1-UP					
Air - Cab	1	7R-2258	7R-2258	--	--
Air Primary	1	068-7744	068-7744	--	--
Engine Oil	1	5E-8346	5E-8346	--	--
Hydraulic - UHE	1	7R-4568	--	--	7R-4568
5EF1-UP					
Air Primary	1	7W-5389	7W-5389	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164
Air Secondary	1	8N-4901	8N-4901	--	--
Air Secondary	1	6I-2500	6I-2500	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
5EF1-UP (Continued)					
Engine Oil	1	1R-0714	1R-0714	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
97Z1-UP (Engine)					
Engine Oil	1	1R-0714	1R-0714	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-434B, CB-434C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6AL1-UP, 7YN1-UP, 4DN1-UP, 4MW1-UP						
Air Primary	1	6I-1450	6I-1450	--	--	--
Air Secondary	1	6I-1451	6I-1451	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6AL1-UP, 7YN1-UP, 4DN1-UP, 4MW1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-434D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CNH1-UP						
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CPR1-UP						
Air - Cab	1	6C-9226	6C-9226	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-523, CB-523B, CB-524, CB-525, CB-525B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
6TD1-UP, 7FK1-UP, 6WD1-UP, 6XD1-UP, 1NL1-UP			
Engine Oil	1	081-4661	081-4661
Filter	1	083-1226	083-1226
Fuel Secondary	1	081-4662	081-4662

CB-534B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4JL1-UP						
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5HK1-12999 (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
5HK13000-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5RN1-UP						
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-534C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1WS1-UP, 5HN1-UP						
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4JL1-UP						
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-534D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
B5M1-UP, C2B1-UP, C4B1-UP, C8M1-UP, EAA1-UP, FEA1-UP, FGH1-UP, GCA1-UP						
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-535B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3AR1-UP						
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK20500-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--

(Continued)

CB-535B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine) (Continued)						
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-544, CB-545

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8FM1-UP, 2FS1-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8FM1-UP, 2FS1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-564D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6D1-108						
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
C6D109-UP, D4M1-UP						
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6D109-UP, D4M1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-634C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CB-634C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3BR1-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5CL1-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
98Z1230-3713 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z3714-21646 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z21647-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CB-634D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z36869-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
CDF1-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CDF1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CC24, CC34

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2411-UP, 3461-UP						
Air Primary	1	146-7472	146-7472	--	--	--
Air Secondary	1	146-7473	146-7473	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CMY1-UP (Engine), CYP1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CD44

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6B1-UP						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine) (Continued)						
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CD54

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
J5R1-UP						
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP54

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C4E1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Primary	1	309-0860	309-0860	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C5Y1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP56

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C5P1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine) (Continued)						
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
FCP1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP64, CP74

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine), C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
C6P1-UP, C8P1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6P1-UP, C8P1-UP (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
P7F1-UP, P8F1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP76

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CP76 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
C7L1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C7L1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
JCP1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-323C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK26000-UP (Engine)						
Fuel - FWS	1	138-3100	138-3100	--	--	--
6DM1-391						
Air Primary	1	6I-1450	6I-1450	--	--	--
Air Secondary	1	6I-1451	6I-1451	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	123-8999	123-8999	--	117-9900	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
6DM392-UP						
Air Primary	1	6I-1450	6I-1450	--	--	--
Air Secondary	1	6I-1451	6I-1451	--	--	--
Engine Oil	1	192-0156	192-0156	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	123-8999	123-8999	--	117-9900	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
6JD66-UP						
Air Primary	1	077-3968	077-3968	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	077-3569	077-3569	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
EAS1-UP						
Air Primary	1	6I-1450	6I-1450	--	--	--
Air Secondary	1	6I-1451	6I-1451	--	--	--
Engine Oil	1	192-0156	192-0156	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
G4D1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-433C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1ZN1-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
2JM1-507						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
2JM508-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4JZ1-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5HK1-12999 (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
5HK13000-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-433E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
ASN1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASN1-UP (Continued)						
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
BTY1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

(Continued)

CP-433E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CFK1-UP, CYE1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-533

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3ZL1-UP, 5AL1-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4TF5805-13298 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
4TF13299-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z1-4334 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
98Z4335-23026 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z23027-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-533C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3XN1-88						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
3XN89-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3XN89-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
3YN1-99						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

(Continued)

CP-533C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3YN100-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4TF20600-42391 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF42392-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z5500-16284 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z16285-23026 (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z23027-UP (Engine)						
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-533D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF1-UP (Engine)						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6AZ1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6AZ1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
AFC1-384						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
AFC385-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-533E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASM1-UP, BZG1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
DAM1-150						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DAM1-150 (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
DAM151-UP, TLH1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
G4D1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-553

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
7BD1-65				
Air Primary	1	9Y-6834	9Y-6834	--
Fuel	1	9X-0939	9X-0939	--
Fuel	1	077-7261	077-7261	--
Fuel - FWS	1	8N-9803	8N-9803	--
Hydraulic	2	078-0419	078-0419	--
Hydraulic	1	077-5795	077-5795	--
7BD66-195				
Air Primary	1	9Y-6834	9Y-6834	--
Fuel	1	9X-0939	9X-0939	--
Fuel - FWS	1	8N-9803	8N-9803	--
Hydraulic	2	078-0419	078-0419	--
Hydraulic	1	077-5795	077-5795	--

Description	Qty.	Part Number	STND	ADV[1]
7BD196-202				
Air Primary	1	9Y-6834	9Y-6834	--
Fuel	1	9X-0939	9X-0939	--
Fuel - FWS	1	8N-9803	8N-9803	--
Hydraulic	2	078-0419	078-0419	--
7BD203-UP				
Air Primary	1	9Y-6834	9Y-6834	--
Fuel	1	9X-0939	9X-0939	--
Hydraulic	2	078-0419	078-0419	--
90N65964-UP (Engine)				
Engine Oil	2	1R-0713	1R-0713	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-563

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1YJ1-322						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	7X-9166	7X-9166	--	--	--
Hydraulic - UHE	1	7R-4568	--	--	7R-4568	--
1YJ323-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
2WG1-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF1-13298 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
4TF13299-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5AJ1-58						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	5E-5755	5E-5755	--	--	--
Hydraulic - UHE	1	7R-4568	--	--	7R-4568	--
5AJ59-71						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5AJ59-71 (Continued)						
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	5E-5755	5E-5755	--	--	--
Hydraulic	1	7X-9166	7X-9166	--	--	--
Hydraulic - UHE	1	7R-4568	--	--	7R-4568	--
5AJ72-76						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	5E-5755	5E-5755	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	7R-4568	--	--	7R-4568	--
5AJ77-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	5E-5755	5E-5755	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
98Z1-4334 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
98Z4335-23026 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z23027-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-563C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF1-UP (Engine)						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5JN1-452						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5JN453-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5KN1-239, 5KN242-246, 5KN249-249, 5KN252-254						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5KN240-241, 5KN247-248, 5KN250-251, 5KN255-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
98Z5500-16284 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z16285-20222 (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z20223-21189 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z21190-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-563D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CP-563D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF44156-UP, 98Z29296-38205 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5LZ1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
9ZW1-122						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9ZW1-122 (Continued)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
9ZW123-581						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
9ZW582-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-563E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BWE1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CNT1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-573E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CP-573E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASY1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASZ1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-643, CP-653

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7GD1-UP, 7JD1-UP						
Air - Cab	1	7R-2258	7R-2258	--	--	--
Hydraulic	2	3G-3448	3G-3448	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7GD1-UP, 7JD1-UP (Continued)						
Hydraulic - Cartridge	2	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CP-663E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8XJ1-UP (Engine)						
Fuel - FWS	1	138-3100	138-3100	--	--	--
AFL1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
ASF1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASF1-UP (Continued)						
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
DAF1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS54

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C4E1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Primary	1	309-0860	309-0860	--	--	--
C5R1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C5R1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
C5W1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS56

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C5S1-UP, JMM1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine) (Continued)						
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
FCS1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS64

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CS64 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
C6S1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6S1-UP (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
C7F1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS74, CS76

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine), C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
C8F1-UP, CYX1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C8F1-UP, CYX1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
C8S1-UP, JCS1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-323C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CS-323C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1EN1-278						
Air Primary	1	6I-1450	6I-1450	--	--	--
Air Secondary	1	6I-1451	6I-1451	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	123-8999	123-8999	--	117-9900	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
1EN279-UP						
Air Primary	1	6I-1450	6I-1450	--	--	--
Air Secondary	1	6I-1451	6I-1451	--	--	--
Engine Oil	1	192-0156	192-0156	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	123-8999	123-8999	--	117-9900	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5HK26000-UP (Engine)						
Fuel - FWS	1	138-3100	138-3100	--	--	--
6JD66-UP						
Air Primary	1	077-3968	077-3968	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic	1	077-3569	077-3569	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
DAR1-UP						
Air Primary	1	6I-1450	6I-1450	--	--	--
Air Secondary	1	6I-1451	6I-1451	--	--	--
Engine Oil	1	192-0156	192-0156	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
G4D1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-423E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7SG1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
ASH1-UP, CFX1-UP, DCL1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
AST1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AST1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
BWG1-UP, EAE1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--

(Continued)

CS-423E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine) (Continued)						
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
G4D1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
G4D1-UP (Engine) (Continued)						
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-431C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3WZ1-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5HK1-20499 (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
5HK20500-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
6EN1-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine) (Continued)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
9XL1-203						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
9XL204-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-433C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FS1-UP, 1XZ1-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
2TN1-256, 2TN259-262						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
2TN257-258, 2TN263-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
3TM1-613						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	108-0671	108-0671	--	--	--
Air Secondary	1	108-0672	108-0672	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3TM614-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5BZ1-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5HK1-12999 (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
5HK13000-UP (Engine)						
Fuel - FWS	1	138-3100	138-3100	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-433E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CS-433E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
ASR1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
BTT1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BTT1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CFP1-UP, DAC1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-531C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF17600-42391 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF42392-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5ZN1-171						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5ZN172-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5ZN172-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
98Z8537-16284 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z16285-23026 (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z23027-UP (Engine)						
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
9RN1-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--

(Continued)

CS-531C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9RN1-UP (Continued)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-531D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3AZ1-UP, 4MZ1-UP, AGH1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF50000-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-533C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2WN1-183						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
2WN184-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
2XN1-458, 2XN460-490						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2XN459-459, 2XN491-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4TF20600-42391 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF42392-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

(Continued)

CS-533C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z5500-16284 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z16285-23026 (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z23027-UP (Engine)						
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-533D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF1-UP (Engine)						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5CZ1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AET1-472						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
AET473-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-533E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASL1-UP, BZE1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

(Continued)

CS-533E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DAK1-154						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
DAK155-UP, TJL1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
G4D1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
TBE1-UP						
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-553

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
7AD1-184				
Air Primary	1	9Y-6834	9Y-6834	--
Fuel	1	9X-0939	9X-0939	--
Fuel	1	077-7261	077-7261	--
Fuel - FWS	1	8N-9803	8N-9803	--
Hydraulic	2	078-0419	078-0419	--
Hydraulic	1	077-5795	077-5795	--
7AD185-466				
Air Primary	1	9Y-6834	9Y-6834	--
Fuel	1	9X-0939	9X-0939	--
Fuel - FWS	1	8N-9803	8N-9803	--
Hydraulic	2	078-0419	078-0419	--
Hydraulic	1	077-5795	077-5795	--

Description	Qty.	Part Number	STND	ADV[1]
7AD467-496				
Air Primary	1	9Y-6834	9Y-6834	--
Fuel	1	9X-0939	9X-0939	--
Fuel - FWS	1	8N-9803	8N-9803	--
Hydraulic	2	078-0419	078-0419	--
7AD497-UP				
Air Primary	1	9Y-6834	9Y-6834	--
Fuel	1	9X-0939	9X-0939	--
Hydraulic	2	078-0419	078-0419	--
90N65964-UP (Engine)				
Engine Oil	2	1R-0713	1R-0713	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-563

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CS-563 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2WG1-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF1-13298 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
4TF13299-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
7GG1-194						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	5E-5755	5E-5755	--	--	--
Hydraulic - UHE	1	7R-4568	--	--	7R-4568	--
7GG195-268						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	5E-5755	5E-5755	--	--	--
Hydraulic	1	7X-9166	7X-9166	--	--	--
Hydraulic - UHE	1	7R-4568	--	--	7R-4568	--
7GG269-286						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	5E-5755	5E-5755	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7GG269-286 (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	7R-4568	--	--	7R-4568	--
7GG287-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	5E-5755	5E-5755	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
8XF1-643						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	7X-9166	7X-9166	--	--	--
Hydraulic - UHE	1	7R-4568	--	--	7R-4568	--
8XF644-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
98Z1-4334 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
98Z4335-23026 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z23027-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-563C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4KN1-686						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4KN687-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4LN1-759, 4LN761-788, 4LN790-792, 4LN797-800, 4LN807-807						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4LN760-760, 4LN789-789, 4LN793-796, 4LN801-806, 4LN808-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF1-UP (Engine)						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z5500-16284 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z16285-20222 (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z20223-21189 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z21190-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-563D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1SZ1-20404						
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1SZ1-20404 (Continued)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

(Continued)

CS-563D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1SZ20405-UP						
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
2RZ1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4TF44156-UP, 98Z20405-38205 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z1-20404 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
9MW1-144						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
9MW145-979						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
9MW980-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-563E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASA1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CNG1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CNG1-UP (Continued)						
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
MCP1-UP						
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-573

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF5805-13298 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
4TF13299-42391 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF42392-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
8PK1-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	5E-5755	5E-5755	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-573C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF1-UP (Engine)						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6LN1-69						
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6LN70-83						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
6LN84-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--

(Continued)

CS-573C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6LN84-UP (Continued)						
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-573D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2YZ1-UP, CMK1-197						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF44156-UP, 98Z33158-38205 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
CMK198-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-573E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CEB1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CNN1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

CS-583

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1EL1-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	5E-5755	5E-5755	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4TF5805-13298 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
4TF13299-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8YJ1-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
98Z1-4334 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
98Z4335-23026 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z23027-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-583C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF15700-36061, 98Z20223-21189 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF36062-UP, 98Z21190-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
7MN1-137						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7MN138-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
7NN1-132						
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	5E-5755	5E-5755	--	--	--

(Continued)

CS-583C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7NN133-298, 7NN306-307						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	5E-5755	5E-5755	--	--	--
7NN299-305, 7NN308-UP						
Air - Cab	1	114-2964	114-2964	--	--	--
Air - Cab	1	154-6500	154-6500	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7NN299-305, 7NN308-UP (Continued)						
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel	1	9U-5870	--	9U-5870	9U-6983	198-3188
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	5E-5755	5E-5755	--	--	--
98Z5500-20222 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-583D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2CZ1-131						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
2CZ132-182, 3GZ1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2CZ183-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4TF44156-UP, 98Z29296-38205 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-583E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

CS-583E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CNX1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DAJ1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-643, CS-653

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
12Z1-UP (Engine), 12Z1-UP (Engine)						
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7FD1-UP, 7GD1-UP, 7HD1-UP, 7JD1-UP						
Air - Cab	1	7R-2258	7R-2258	--	--	--
Hydraulic	2	3G-3448	3G-3448	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	2	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

CS-663E, CS-683E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8XJ1-UP (Engine), 8XJ1-UP (Engine)						
Fuel - FWS	1	138-3100	138-3100	--	--	--
AEF1-UP, AGR1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
ASB1-UP, ASG1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	282-5340	282-5340	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASB1-UP, ASG1-UP (Continued)						
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
DAG1-UP, DAD1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air Primary	1	131-8822	131-8822	--	134-0685	--
Air Secondary	1	131-8821	131-8821	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PF-290B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1XW1-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5HK59700-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PF-300B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK24000-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
6HM1-82, 6HM196-412						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	187-4243	187-4243	--	--	--
Hydraulic - Cartridge	2	081-5100	081-5100	--	--	--
Power Train	1	123-8189	123-8189	--	--	--
6HM83-195						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	187-4243	187-4243	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	2	081-5100	081-5100	--	--	--
Power Train	1	123-8189	123-8189	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6HM413-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	194-8557	194-8557	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	187-4243	187-4243	--	--	--
Hydraulic - Cartridge	2	081-5100	081-5100	--	--	--
Power Train	1	123-8189	123-8189	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PF-300C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
CRS1-UP (Engine)			
Air Primary	1	293-4053	293-4053
Air Secondary	1	227-7449	227-7449
Engine Oil	1	7W-2326	7W-2326
Fuel - FWS	1	228-9130	228-9130
Fuel - FWS	1	252-6338	252-6338
Fuel - FWS	1	1R-1804	1R-1804

Description	Qty.	Part Number	STND
PFB1-UP			
Air Primary	1	110-6326	110-6326
Air Secondary	1	110-6331	110-6331
Engine Oil	1	194-8557	194-8557
Hydraulic	1	187-4243	187-4243
Power Train	1	123-8189	123-8189

PS-150B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3XR1-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	139-4834	139-4834	--	--	--
Air Primary	1	155-5402	155-5402	--	--	--
Air Secondary	1	155-5401	155-5401	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3XR1-UP (Continued)						
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PS-150C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
FPS1-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	139-4834	139-4834	--	--	--
Air Primary	1	155-5402	155-5402	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
FPS1-UP (Continued)						
Air Secondary	1	155-5401	155-5401	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
NPK1-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PS-200B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

PS-200B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK147-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
5JR1-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	139-4834	139-4834	--	--	--
Air Primary	1	155-5402	155-5402	--	--	--
Air Secondary	1	155-5401	155-5401	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Second-ary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PS-300B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4PN1-134, 4PN365-525						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	187-4243	187-4243	--	--	--
Hydraulic - Cartridge	2	081-5100	081-5100	--	--	--
Power Train	1	123-8189	123-8189	--	--	--
4PN135-364						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	187-4243	187-4243	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	2	081-5100	081-5100	--	--	--
Power Train	1	123-8189	123-8189	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4PN526-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	194-8557	194-8557	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic	1	187-4243	187-4243	--	--	--
Hydraulic - Cartridge	2	081-5100	081-5100	--	--	--
Power Train	1	123-8189	123-8189	--	--	--
5HK24000-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PS-300C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

PS-300C (Continued)

Description	Qty.	Part Number	STND
CRS1-UP (Engine)			
Air Primary	1	293-4053	293-4053
Air Secondary	1	227-7449	227-7449
Engine Oil	1	7W-2326	7W-2326
Fuel - FWS	1	228-9130	228-9130
Fuel - FWS	1	252-6338	252-6338
Fuel - FWS	1	1R-1804	1R-1804

Description	Qty.	Part Number	STND
PFS1-UP			
Air Primary	1	110-6326	110-6326
Air Secondary	1	110-6331	110-6331
Engine Oil	1	194-8557	194-8557
Hydraulic	1	187-4243	187-4243
Power Train	1	123-8189	123-8189

PS-360B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK59700-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9LS1-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	139-4834	139-4834	--	--	--
Air Primary	1	155-5402	155-5402	--	--	--
Air Secondary	1	155-5401	155-5401	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PS-360C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
G4D1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
PJF1-UP						
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

PS-500

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

PS-500 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7XD1-13					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	2S-1286	2S-1286	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Engine Oil	2	8N-9586	8N-9586	--	--
Fuel	1	1W-8633	1W-8633	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Hydraulic - Cartridge	2	081-5100	081-5100	--	--
Transmission - Cartridge	1	081-4803	081-4803	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
7XD14-UP					
Air Primary	1	6I-2501	6I-2501	--	128-2686
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary	1	2S-1286	2S-1286	--	--
Air Secondary	1	6I-2502	6I-2502	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--
Hydraulic - Cartridge	2	081-5100	081-5100	--	--
Transmission - Cartridge	1	081-4803	081-4803	--	--
90N67000-UP (Engine)					
Engine Oil	2	1R-0713	1R-0713	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic System					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced		-30	45	-22	113
Cat DEO/DEO ULS	15W-40	-15	50	5	122

Lubricants - Transmission

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

(Continued)

Lubricants - Transmission (Continued)

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Power Shift, Manual Transmission					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	Cat TDTO-TMS	-20	43	-4	110

Lubricants - Attachments

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Winches					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	Cat TDTO-TMS	-20	43	-4	110
PACCAR Winches					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50

Lubricants - Undercarriage

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Track Pins					
Cat GO SYN	SAE 75W-140	-30	45	-22	113
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122
The Recoil Spring for the Track Roller Frame and the Pivot Shaft Bearings					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-20	25	-4	77
Cat TDTO	SAE 50	0	50	32	122
Cat TDTO-TMS	Cat TDTO-TMS	-25	25	-13	77
Track Idlers and Track Rollers					
Cat DEO SYN	SAE 5W-40	-35	40	-31	104

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Final Drive					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-25	35	-13	77
Cat TDTO	SAE 50	-15	50	5	122
Cat TDTO-TMS	Cat TDTO-TMS	-30	25	-22	77

Greases

Application Point: Adjust Track, Angle Blade Tilt Brace, Equalizer Bar Pins, Fan Drive Belt Tightener, Lift Cylinder Yoke Bearing, Winch Drum Bearing, Winch Fairlead Rollers

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Ditching, fill spreading, spreading base material, ripping, heavy road maintenance, snow plowing.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	Average road maintenance, road mix work, scarifying, snow plowing.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Finish grading, light maintenance, road travel.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The “Part Number” column represents the “As Shipped” filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

PL61

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by “(Engine)” following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

PL61 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E496-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
WGS1-UP						
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	252-5001	252-5001	--	--	--
Air Secondary	1	252-5002	252-5002	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
WGS1-UP (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

561M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1KW1-270						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
1KW271-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1KW271-UP (Continued)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
4TF33310-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

561N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BMA5896-UP, CSW1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
CPH1-UP						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CPH1-UP (Continued)						
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
TAD1-UP						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931

[1] Please see the Filter Upgrade information at the end of this section for additional details.

572R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
10Z37140-UP, R6J1-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2HZ1-UP, AAC1-UP						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC1-19057 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
6NC19058-22834 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
6NC22835-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

572R II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7ZR6828-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
DSC1-301						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DSC302-493						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
DSC494-UP						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931

(Continued)

572R II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DSC494-UP (Continued)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

578

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
1MK1-UP, 9EB1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
70V1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
8HB1-426						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8HB1-426 (Continued)						
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
8HB427-UP						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

583R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

583R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2XS1-UP						
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z6800-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

583T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CMX1-179						
Air	1	289-4225	289-4225	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	2	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Transmission	1	343-4465	343-4465	--	--	--
CMX180-289						
Air	1	289-4225	289-4225	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	2	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Transmission	1	343-4465	343-4465	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CMX290-468						
Air	1	289-4225	289-4225	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	2	1R-0774	--	1R-0774	139-1536	4T-3134
CMX469-UP						
Air	1	289-4225	289-4225	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	2	1R-0774	--	1R-0774	139-1536	4T-3134
Transmission - ADV	1	328-3655	--	328-3655	--	--

(Continued)

583T (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

587R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z23000-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BXL1-297						
Air	1	289-4225	289-4225	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	249-2337	249-2337	--	--	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
BXL298-380						
Air - Cab	1	209-8217	209-8217	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	249-2337	249-2337	--	--	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BXL381-405						
Air - Cab	1	209-8217	209-8217	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	249-2337	249-2337	--	--	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
BXL406-UP						
Air - Cab	1	209-8217	209-8217	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	249-2337	249-2337	--	--	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

587T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
FAT1-254						
Air	1	289-4225	289-4225	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	249-2337	249-2337	--	--	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
FAT255-435						
Air	1	289-4225	289-4225	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	249-2337	249-2337	--	--	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
FAT436-474						
Air	1	289-4225	289-4225	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
FAT436-474 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	249-2337	249-2337	--	--	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
FAT475-UP						
Air	1	289-4225	289-4225	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	249-2337	249-2337	--	--	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Transmission - ADV	1	328-3655	--	328-3655	--	--
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

589

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

589 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1EM451-UP, 48W26674-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
31Z1-441						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
31Z442-452						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
31Z453-473						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6N-6444	6N-6444	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
31Z453-473 (Continued)						
Air Secondary	1	6I-2502	6I-2502	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
31Z474-UP						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
48W18080-26673 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	

Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Reclaimer Mixers

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

(Continued)

Lubricants - Reclaimer Mixers (Continued)

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Front Propel Planetary Drives					
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	50	-4	122
Rotor Chain Drive Case and Rotor Bearing Resevior					
Cat TDTO	SAE 30	0	35	32	122
Rotor Transmission					
Cat TDTO	SAE 10W	-20	50	-4	122
Rotor Differential					
Cat GO	80W-90	-20	40	-4	104
Cat GO	85W-140	-10	50	14	122

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Propel Final Drive					
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110

Lubricants - Attachments

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Auger, Conveyor and Pump Drive Reducers					
Cat GO SYN	SAE 75W-140	-30	45	-22	113
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122

Greases

Application Point: Chain Tensioner, Fan Drive Bearings, Propel Transmission Control Cable, Pump Drive Shaft, Rotor Transmission Shift Linkage, Wheel Hub Bearings

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	457 mm (18) soil/305 mm (12) asphalt.	-30, 50	-22, 122	2	Ultra 5Moly Grease
Medium	305 mm (12) soil/150 mm (6) asphalt.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	150 mm (6) soil/100 mm (4) asphalt.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

RM-250C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z18140-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
AWG1-UP						
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AWG1-UP (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

RM-300

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BWR1-441						
Air	1	234-0138	234-0138	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	9U-6984	--	9U-6984	9U-6983	198-3188
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BWR442-UP						
Air	1	234-0138	234-0138	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	9U-6984	--	9U-6984	9U-6983	198-3188
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
RSX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

RM-350

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N7919-UP, 41Z257-UP (Engine)						
Coolant	1	9N-6123	9N-6123	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
5FK1-40						
Air - Cab	3	119-6215	119-6215	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Engine Oil - Cartridge	1	110-7464	110-7464	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
5FK41-103						
Air - Cab	3	119-6215	119-6215	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5FK41-103 (Continued)						
Engine Oil - Cartridge	1	110-7464	110-7464	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
5FK104-UP						
Air - Cab	3	119-6215	119-6215	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil - Cartridge	1	110-7464	110-7464	--	--	--
Hydraulic	1	1G-5459	1G-5459	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	130-3212	--	130-3212	126-1814	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

RM-350B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z2438-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
7FS1-UP, AXW1-UP						
Air - Cab	3	119-6215	119-6215	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7FS1-UP, AXW1-UP (Continued)						
Hydraulic	1	1G-5459	1G-5459	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	130-3212	--	130-3212	126-1814	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

RM-500

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASW1-109						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Engine Oil	1	9U-6984	--	9U-6984	9U-6983	198-3188
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
ASW110-263						
Air	1	234-0138	234-0138	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Engine Oil	1	9U-6984	--	9U-6984	9U-6983	198-3188
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASW264-UP						
Air	1	234-0138	234-0138	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Engine Oil	1	9U-6984	--	9U-6984	9U-6983	198-3188
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

RR-250

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N7072-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6ED1-113, 6ED239-341						
Air	1	8C-2238	8C-2238	--	--	--
Air - Cab	1	8C-2005	8C-2005	--	--	--
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary	1	6N-6071	6N-6071	--	--	--
Air Secondary	1	6N-6072	6N-6072	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6ED1-113, 6ED239-341 (Continued)						
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
6ED114-238						
Air	1	8C-2238	8C-2238	--	--	--
Air - Cab	1	8C-2005	8C-2005	--	--	--
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary	1	6N-6071	6N-6071	--	--	--
Air Secondary	1	6N-6072	6N-6072	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
6ED342-362						
Air	1	8C-2238	8C-2238	--	--	--
Air - Cab	1	8C-2005	8C-2005	--	--	--
Air - Cab A/C	1	128-4038	128-4038	--	--	--

(Continued)

RR-250 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6ED342-362 (Continued)						
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary	1	6N-6071	6N-6071	--	--	--
Air Secondary	1	6N-6072	6N-6072	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
6ED363-367						
Air - Cab	1	8C-2005	8C-2005	--	--	--
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	054-1719	054-1719	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6ED363-367 (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
6ED368-UP						
Air - Cab	1	8C-2005	8C-2005	--	--	--
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
6TB3156-UP						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

RR-250B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N13299-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
3RR1-UP						
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3RR1-UP (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
41Z1-8379 (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z8380-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SM-350

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N7919-UP, 41Z257-UP (Engine)						
Coolant	1	9N-6123	9N-6123	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
1RM1-31						
Air - Cab	3	119-6215	119-6215	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Engine Oil - Cartridge	1	110-7464	110-7464	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
1RM32-59						
Air - Cab	3	119-6215	119-6215	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1RM32-59 (Continued)						
Engine Oil - Cartridge	1	110-7464	110-7464	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
1RM60-UP						
Air - Cab	3	119-6215	119-6215	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil - Cartridge	1	110-7464	110-7464	--	--	--
Hydraulic	1	1G-5459	1G-5459	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	130-3212	--	130-3212	126-1814	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SS-250

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N7072-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6DD1-117, 6DD239-307						
Air	1	8C-2238	8C-2238	--	--	--
Air - Cab	1	8C-2005	8C-2005	--	--	--
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary	1	6N-6071	6N-6071	--	--	--
Air Secondary	1	6N-6072	6N-6072	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6DD1-117, 6DD239-307 (Continued)						
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
6DD118-238						
Air	1	8C-2238	8C-2238	--	--	--
Air - Cab	1	8C-2005	8C-2005	--	--	--
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary	1	6N-6071	6N-6071	--	--	--
Air Secondary	1	6N-6072	6N-6072	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Hydraulic	1	054-1719	054-1719	--	--	--

(Continued)

SS-250 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6DD118-238 (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
6DD308-323						
Air	1	8C-2238	8C-2238	--	--	--
Air - Cab	1	8C-2005	8C-2005	--	--	--
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary	1	6N-6071	6N-6071	--	--	--
Air Secondary	1	6N-6072	6N-6072	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - UHE	1	077-5479	--	--	077-5479	--
6DD324-331						
Air - Cab	1	8C-2005	8C-2005	--	--	--
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6DD324-331 (Continued)						
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
6DD332-UP						
Air - Cab	1	8C-2005	8C-2005	--	--	--
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
6TB3156-UP						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

SS-250B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N13299-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z1-8379 (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z8380-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
5GR1-UP						
Air - Cab A/C	1	128-4038	128-4038	--	--	--
Air - Cab A/C	1	136-8063	136-8063	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	054-1719	054-1719	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hyrdraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic System, Hydrostatic Transmission					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advancced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Final Drive for Multiterrain Loaders and Compact Loaders					
Cat GO SYN	SAE 75W-140	-30	45	-22	113

Greases

Application Point: External Lube points

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
Medium {1}	Normal load and conditions	-20, 40	-4, 104	2	Advanced 3Moly Grease
{1} Refer to the Operation and Maintenance Manual for more information.					

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

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Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
4NZ1-3399						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Recirculation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4NZ3400-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Recirculation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CSD1-UP, GGA1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

216B, 216B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSD1-UP, CYP1-UP, CYS1-UP, GGA1-UP (Engine), CSD1-UP, CYP1-UP, CYS1-UP, GGA1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
RLL1-6799						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Recirculation	1	231-8130	231-8130	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RLL1-6799 (Continued)						
Air Primary	1	231-0167	231-0167	--	--	--
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

(Continued)

216B, 216B2 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RLL6800-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RLL6800-UP (Continued)						
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel	1	1G-7206	1G-7206	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

216B3

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CYS1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
JXM1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JXM1-UP (Continued)						
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel	1	1G-7206	1G-7206	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

226

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
5FZ1-1527						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5FZ1528-6699						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5FZ1528-6699 (Continued)						
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5FZ6700-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

226B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSD1-UP, CYP1-UP, CYS1-UP, GGA1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
MJH1-12174						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
MJH12175-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MJH12175-UP (Continued)						
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel	1	1G-7206	1G-7206	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
MWD1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel	1	1G-7206	1G-7206	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

226B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSD1-UP, CYP1-UP, CYS1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
MJH1-12174						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MJH12175-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel	1	1G-7206	1G-7206	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

228

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
6BZ1-367						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
6BZ368-731						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6BZ368-731 (Continued)						
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
6BZ732-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

232

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CAB1-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CAB1-UP (Continued)						
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CSD1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

232B, 232B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

232B, 232B2 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSD1-UP, CYP1-UP, GGA1-UP (Engine), CSD1-UP, CYP1-UP, CYS1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
SCH1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SCH1-UP (Continued)						
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel	1	1G-7206	1G-7206	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

236

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
4YZ1-1067						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4YZ1068-3999						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4YZ4000-5750						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4YZ5751-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

236B, 236B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine), CJS1-UP (Engine)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
CYM1-UP (Engine), CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
HEN1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

236B3

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
A9H1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
A9H1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

242

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-34104 (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
CMB1-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CMB1-UP (Continued)						
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

242B, 242B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BXM1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel	1	1G-7206	1G-7206	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BXM1-UP (Continued)						
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CSD1-UP, CYP1-UP, CYS1-UP, GGA1-UP (Engine), CSD1-UP, CYP1-UP, CYS1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

246

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW4000-29422 (Engine)						
Hydraulic	1	207-9729	207-9729	--	--	--
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
5SZ1-872						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5SZ873-3999						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5SZ4000-6369						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5SZ6370-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

246B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
PAT1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
PAT1-UP (Continued)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

246C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--
JAY1-1749, JAY2060-UP						
Air - Cab	1	265-6618	265-6618	--	--	--
Air - Cab	1	265-6619	265-6619	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JAY1-1749, JAY2060-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
JAY1750-2059						
Air - Cab	1	265-6618	265-6618	--	--	--
Air - Cab	1	265-6619	265-6619	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

247

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
CML1-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CML1-UP (Continued)						
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

247B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSD1-UP, CYP1-UP, GGA1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
MTL1-5699						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
MTL5700-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MTL5700-UP (Continued)						
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel	1	1G-7206	1G-7206	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
TSL1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel	1	1G-7206	1G-7206	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

247B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSD1-UP, CYP1-UP, CYS1-UP, GGA1-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
MTL1-5699						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MTL5700-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel	1	1G-7206	1G-7206	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

248

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
6LZ1-401						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
6LZ402-999						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6LZ1000-1594						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
6LZ1595-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

248B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
SCL1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SCL1-UP (Continued)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

252

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

252 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
FDG1-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
FDG1-UP (Continued)						
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

252B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
SCP1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SCP1-UP (Continued)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

252B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SCP1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

252B3

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
CYM1-UP (Engine)			
Engine Oil	1	1R-0734	1R-0734
Engine Oil	1	267-2528	267-2528
TNK1-UP			
Air - Cab	1	303-6658	303-6658
Air - Cab	1	231-8132	231-8132
Air Primary	1	110-6326	110-6326

Description	Qty.	Part Number	STND
TNK1-UP (Continued)			
Air Secondary	1	110-6331	110-6331
Fuel - FWS	1	233-9856	233-9856
Hydraulic	1	207-9729	207-9729

256C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DWS1-UP						
Air - Cab	1	265-6618	265-6618	--	--	--
Air - Cab	1	265-6619	265-6619	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

257

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
CMM1-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CMM1-UP (Continued)						
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

257B, 257B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

257B, 257B2 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CSD1-UP, GGA1-UP (Engine), CSD1-UP, CYP1-UP, CYS8300-UP (Engine)						
Engine Oil	1	220-1523	220-1523	--	--	--
SLK1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SLK1-UP (Continued)						
Air Secondary	1	231-0168	231-0168	--	--	--
Fuel	1	1G-7206	1G-7206	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

262

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
CED1-1412						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CED1413-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

262B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
PDT1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
PDT1-UP (Continued)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

262C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MST1-UP						
Air - Cab	1	265-6618	265-6618	--	--	--
Air - Cab	1	265-6619	265-6619	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

267

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
CMP1-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CMP1-UP (Continued)						
Air Secondary	1	140-2334	140-2334	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

267B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
CYC1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CYC1-UP (Continued)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

268B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
LBA1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LBA1-UP (Continued)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

272C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP, CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
RED1-UP						
Air - Cab	1	265-6618	265-6618	--	--	--
Air - Cab	1	265-6619	265-6619	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RED1-UP (Continued)						
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

277

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW29423-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
CNC1-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CNC1-UP (Continued)						
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

277B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
MDH1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MDH1-UP (Continued)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

277C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JWF1-UP, KCC1-UP						
Air - Cab	1	265-6618	265-6618	--	--	--
Air - Cab	1	265-6619	265-6619	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

279C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--
MBT1-UP						
Air - Cab	1	265-6618	265-6618	--	--	--
Air - Cab	1	265-6619	265-6619	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MBT1-UP (Continued)						
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

287

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW33700-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
CNY1-UP						
Air - Cab Heater	1	142-9291	142-9291	--	--	--
Air - Cab Re-circulation	1	236-5081	236-5081	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CNY1-UP (Continued)						
Air Secondary	1	110-6331	110-6331	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

287B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
ZSA1-UP						
Air - Cab	1	303-6658	303-6658	--	--	--
Air - Cab	1	231-8132	231-8132	--	--	--
Air - Cab Re-circulation	1	231-8130	231-8130	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ZSA1-UP (Continued)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic	1	207-9729	207-9729	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

287C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MAS1-UP						
Air - Cab	1	265-6618	265-6618	--	--	--
Air - Cab	1	265-6619	265-6619	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

289C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--
JMP1-UP						
Air - Cab	1	265-6618	265-6618	--	--	--
Air - Cab	1	265-6619	265-6619	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JMP1-UP (Continued)						
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

297C, 299C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP, CYM1-UP (Engine), CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
GCP1-UP, JSP1-UP						
Air - Cab	1	265-6618	265-6618	--	--	--
Air - Cab	1	265-6619	265-6619	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
GCP1-UP, JSP1-UP (Continued)						
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic System, Service Brake System, Transmission, Differentials and Final Drives					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat TDTO	SAE 10W	-20	40	-4	104
Cat TDTO	SAE 30	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	50	-4	122

Greases

Application Point: Boom Chain, Boom Cylinder Pin, Boom Extension and Retraction Chain Pulley, Boom Head Section, Boom Pivot Shaft, Compensating Cylinder Bearing, Drive Shaft Spline, Fork Leveling Cylinder Pin, Frame Leveling Cylinder Pin, Stabilizer and Cylinder Bearings

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Heavy loading, continuous loading with steady cycling.	-30, 50	-22, 122	2	Ultra 5Moly Grease
Medium	Normal load and work conditions.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Considerable idling or travel with no load.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

TH31-C9I

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
PAZ1-UP					
Air Primary - UHE	1	132-7167	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH35

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	ADV[1]	UHE[1]	Fire Res.[1]
SDS1-UP					
Hydraulic - ADV	1	144-6691	144-6691	126-1815	121-9868
Hydraulic - UHE	1	139-1536	--	139-1536	4T-3134
TNB1-UP					
Hydraulic - UHE	1	139-1536	--	139-1536	4T-3134
Power Train - UHE	1	139-1537	--	139-1537	104-6931

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH35-C13I

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
PBY1-UP						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
PBY1-UP (Continued)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH35-C13T, TH35-C15T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	UHE[1]	Fire Res.[1]
PBW1-UP, PBL1-UP					
Fuel - FWS ADV	1	326-1641	--	--	--
Hydraulic - UHE	1	126-1817	--	126-1817	134-3014

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH62

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3LN1-652, 4TM1-904						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	130-6321	130-6321	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3LN653-749, 4TM905-1234						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	130-6321	130-6321	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3LN750-796, 4TM1235-1296						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3LN797-926						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3LN927-938, 4TM1955-2305						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3LN927-938, 4TM1955-2305 (Continued)						
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3LN939-UP, 4TM2306-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
4TM1297-1732						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
4TM1733-1954						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	147-6543	147-6543	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

(Continued)

TH62 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH63

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NN1-1049						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	130-6321	130-6321	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3NN1050-1059						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	130-6321	130-6321	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3NN1060-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	130-6321	130-6321	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	147-6543	147-6543	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5WM1-1393, 5WM1399-1587						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	130-6321	130-6321	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
5WM1394-1398						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	130-6321	130-6321	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
5WM1588-1777						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
5WM1778-2708						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
5WM2709-3054						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

(Continued)

TH63 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5WM2709-3054 (Continued)						
Power Train	1	123-8189	123-8189	--	--	--
5WM3055-3815						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
5WM3816-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH82

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3JN1-578, 3KN1-438						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	130-6321	130-6321	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3JN579-688, 3KN439-457						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3JN689-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KN458-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	147-6543	147-6543	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH83

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3RN1-933, 3RN935-1071						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	130-6321	130-6321	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3RN934-934						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel	1	130-6321	130-6321	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3RN1072-1891						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3RN1892-2055						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3RN2056-4014						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3RN2056-4014 (Continued)						
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3RN4015-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	147-6543	147-6543	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH103

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

TH103 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3PN1-471						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3PN472-600						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
3PN601-901						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3PN902-UP						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Power Train	1	123-8189	123-8189	--	--	--
5HK35319-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
9RM1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH210, TH215

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
CEC1-UP, CEG1-UP			
Air - Cab	1	204-3124	204-3124
Air Primary	1	110-6326	110-6326
Air Secondary	1	110-6331	110-6331
Fuel - FWS	1	163-4465	163-4465
Hydraulic	1	200-1546	200-1546
CRS1-UP (Engine), CRS1-UP (Engine)			
Air Primary	1	293-4053	293-4053
Air Secondary	1	227-7449	227-7449
Engine Oil	1	7W-2326	7W-2326

Description	Qty.	Part Number	STND
CRS1-UP (Engine), CRS1-UP (Engine) (Continued)			
Fuel - FWS	1	228-9130	228-9130
Fuel - FWS	1	252-6338	252-6338
Fuel - FWS	1	1R-1804	1R-1804
MHT1-UP, MHS1-UP			
Air - Cab	1	204-3124	204-3124
Air Primary	1	110-6326	110-6326
Air Secondary	1	110-6331	110-6331
Hydraulic	1	200-1546	200-1546

TH220B, TH330B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

TH220B, TH330B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRX1-106 (Engine), CRX1-106 (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil - Cartridge	1	1R-1801	1R-1801	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
CRX107-UP (Engine), CRX107-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SLA1-UP, SLB1-UP						
Air - Cab	1	116-7376	116-7376	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH340B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRX1-647 (Engine)						
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
CRX648-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SLC1-UP						
Air - Cab	1	116-7376	116-7376	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH350B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRX1-106 (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil - Cartridge	1	1R-1801	1R-1801	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
CRX107-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
SLD1-599						
Air - Cab	1	116-7376	116-7376	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SLD1-599 (Continued)						
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
SLD600-UP						
Air - Cab	1	116-7376	116-7376	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH355B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRX1-647 (Engine)						
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
CRX4387-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
JRK1-UP						
Air - Cab	1	116-7376	116-7376	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JRK1-UP (Continued)						
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH360B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Re-circulation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
CRX1-647 (Engine)						
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
CRX648-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
SLE1-1349						
Air - Cab	1	116-7376	116-7376	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SLE1-1349 (Continued)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
SLE1350-UP						
Air - Cab	1	116-7376	116-7376	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH460B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

TH460B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRX1-106 (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil - Cartridge	1	1R-1801	1R-1801	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
CRX107-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
SLF1-899						
Air - Cab	1	116-7376	116-7376	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SLF1-899 (Continued)						
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
SLF900-UP						
Air - Cab	1	116-7376	116-7376	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

TH560B, TH580B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRX1-106 (Engine), CRX1-206 (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil - Cartridge	1	1R-1801	1R-1801	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
CRX107-UP (Engine), CRX207-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SLG1-UP, SLH1-UP						
Air - Cab	1	116-7376	116-7376	--	--	--
Air - Cab Heater	1	201-5023	201-5023	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems					
Cat TDTO Cold Weather	0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	15W-40	-15	50	5	122

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Final Drive					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-25	25	-13	77
Cat TDTO	SAE 50	-15	50	5	122
Cat TDTO-TMS	TDTO-TMS	-30	25	-22	77

Lubricants - Undercarriage

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Equalizer Bar End and Pin Joint					
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122
Cat Synthetic GO	SAE 75W-140	-30	45	-22	113
Track Roller Frame Recoil Spring and Pivot Shaft Bearings					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-20	25	-4	77
Cat TDTO	SAE 50	0	50	32	122
Cat TDTO-TMS	TDTO-TMS	-25	25	-13	77
Track Idlers and Track Rollers					
Cat DEO-ULS SYN	SAE 5W-40	-35	40	-31	104

Greases

Application Point: Equalizer Bar Pin, Recoil Piston, Track Adjustment

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Continuous excavating and loading from bank. Land clearing.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	Bank or stockpile loading with idling periods. Load and carry.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Large amounts of idling in any application.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The “Part Number” column represents the “As Shipped” filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

931B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by “(Engine)” following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

931B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
25Y1-UP, 26Y1-UP						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
29Y1-UP, 30Y1-UP, 4SC1-UP, 6EC1-UP						
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V32894-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

931C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2BJ1-UP, 5LG1-UP, 6RF1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V69306-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7HF1-UP, 8AF1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

931C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2AK1-UP, 6AJ1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
45V90750-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7YJ1-2721 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7YJ2722-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

(Continued)

931C II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9AG1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

933

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XK1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel	1	5I-7951	5I-7951	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
8FL1-392, 9EL1-108						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8FL1-392, 9EL1-108 (Continued)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
8FL393-UP, 9EL109-UP						
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

933C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4MS1-UP, 5JS1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XK1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel	1	5I-7951	5I-7951	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

935B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3DF1-UP						
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
45V60736-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

935C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V69350-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
8CF1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8CF1-UP (Continued)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

935C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V90750-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
5DJ1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7YJ1-2721 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7YJ2722-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

939

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XK1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel	1	5I-7951	5I-7951	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
9GL1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9GL1-UP (Continued)						
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

939C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XK12250-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel	1	5I-7951	5I-7951	--	--	--
6DS1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6DS1-UP (Continued)						
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

943

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
03Y1-1230, 19Z1-194						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Air - Cab	2	9G-1518	9G-1518	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
03Y1231-1280, 19Z195-201						
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
03Y1281-1481, 19Z202-273						
Air Primary	1	8N-5389	8N-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
03Y1482-UP, 19Z274-UP						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Air Primary	1	8N-5389	8N-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

(Continued)

943 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
10X5416-6424 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
10X6425-UP, 45V38842-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1DA1-2760 (Transmission)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1DA2761-UP (Transmission)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
7YJ1-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

953

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
10X5418-6423 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
10X6424-UP, 45V38842-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
20Z1-189, 77Y1-849						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Air - Cab	2	9G-1518	9G-1518	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
20Z190-326, 77Y850-1208						
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
20Z327-UP, 77Y1209-UP						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4NA1-UP (Transmission)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

953B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4NA6222-UP (Transmission)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
4TF3496-17904 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF17905-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5MK1-UP						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

953C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2ZN1-942						
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
2ZN943-1749						
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
2ZN1750-4697						
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2ZN4698-UP						
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - UHE	2	126-1817	--	--	126-1817	134-3014
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4TF19620-35266 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF35267-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
BBX1-UP						
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Hydraulic	1	209-6906	209-6906	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - FR	1	4T-3132	--	--	--	4T-3132

(Continued)

953C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BMA1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
GRK914-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

953D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LBP1-UP						
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	252-5001	252-5001	--	--	--
Air Secondary	1	252-5002	252-5002	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

963

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
07Z1055-8662 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
07Z8663-15440 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
07Z15441-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
12Z1-6168 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
12Z6169-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	1R-0740	1R-0740	--	--	--
18Z1-860, 21Z1-147						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Air - Cab	2	9G-1518	9G-1518	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
18Z861-1543, 18Z1545-1560, 18Z1562-1590, 21Z148-451, 21Z453-465, 21Z467-486						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--

(Continued)

963 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
18Z1544-1544, 18Z1561-1561, 18Z1591-UP, 21Z452-452, 21Z466-466, 21Z487-4547						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
21Z4548-5657						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
21Z4548-5657 (Continued)						
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
21Z5658-UP						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4TA1-UP (Transmission)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

963B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF1-UP (Engine)						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
8EX1-UP (Transmission)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
9BL1-1815						
Air - Cab	1	8G-8287	8G-8287	--	--	--
Air - Cab	2	9G-1518	9G-1518	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9BL1-1815 (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
9BL1816-UP						
Air - Cab	1	8G-8287	8G-8287	--	--	--
Air - Cab	2	9G-1518	9G-1518	--	--	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

963C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

963C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2DS1-2562						
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
2DS2563-UP						
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
4TF29400-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
4TF29400-UP (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
BBD1-UP						
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Hydraulic	1	209-6906	209-6906	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
BMA1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

963D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

963D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LCS1-UP						
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	252-5001	252-5001	--	--	--
Air Secondary	1	252-5002	252-5002	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

973

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z7479-15939 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
08Z15940-19493 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z19494-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
13Z1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
66G1-413						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Air - Cab	2	9G-1518	9G-1518	--	--	--
Hydraulic - FR	1	4T-3134	--	--	--	4T-3134
66G414-UP, 86G319-1388						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Hydraulic - FR	1	4T-3134	--	--	--	4T-3134
86G1-318						
Air - Cab	1	8G-0844	8G-0844	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
86G1389-2999						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - FR	1	4T-3134	--	--	--	4T-3134
86G3000-UP						
Air - Cab	1	8G-0844	8G-0844	--	--	--
Air - Cab	1	8G-8287	8G-8287	--	--	--
Air - Cab	2	9G-1518	9G-1518	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
8CA1-UP, 8EA1-UP (Transmission)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

973C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

973C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z45526-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
3RZ1-639						
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
3RZ640-UP						
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
4ZF1-UP (Engine)						
Fuel - ADV	1	1R-0764	1R-0764	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
BCP1-UP						
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BCP1-UP (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	209-5590	209-5590	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
LDX1-UP						
Air - Cab	1	149-1912	149-1912	--	--	--
Air - Cab	1	116-7376	116-7376	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	209-5590	209-5590	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
SAN221-UP (Engine)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
THY1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

973D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

973D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LCP1-UP						
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	290-1935	290-1935	--	--	--
Air Secondary	1	290-1936	290-1936	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
THX20308-UP, THY1069-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

983B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
58X1-UP					
Air Primary	1	7W-5495	7W-5495	--	--
Air Secondary	1	1P-7360	1P-7360	--	--
70V5101-8751 (Engine)					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
70V8752-UP (Engine)					
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Transmission

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

(Continued)

Lubricants - Transmission (Continued)

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Power Shift, Manual Transmission and Winch Gear Case					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	50	32	122
Cat TDTO-TMS	TDTO-TMS	-10	50	14	122
Manual Transmission					
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	-14	122
Cat Synthetic GO	SAE 75W-140	-30	45	-22	113

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Final Drive and Swing Drive					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-25	25	-13	77
Cat TDTO	SAE 50	-15	50	5	122
Cat TDTO-TMS	TDTO-TMS	-30	25	-22	77
Final Drive for Large Track Skidders (Steel Tracked Machines with Elevated Final Drives except the 561M and 561N)					
Cat FDAO	SAE 60	-7	50	19	122
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 50	-15	32	5	90
Cat TDTO	SAE 30	-25	15	-13	59
Cat TDTO-TMS	TDTO-TMS	-35	15	-31	59
Cat FDAO SYN	FDAO SYN	-15	50	5	122

Lubricants - Undercarriage

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Track Idlers and Track Rollers					
Cat DEO-ULS SYN	SAE 5W-40	-35	40	-31	104

Lubricants - Special Applications

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Variable Pitch Fan					
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104
Cat DEO-ULS SYN	SAE 5W-40	-40	50	-40	122

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease.
Application Point: Articulation Bearings, Bogie Bearings, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Gate Cylinder, Grapple Head Rotator, Swing Drive Bearing, Swing Drive Gear, Winch Drive Shaft Bearing, Winch Drive Shaft Universal Joint, Winch Drum Bearing

(Continued)

Greases (Continued)

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	517 - Skidding loads over 4536 kg (10,000 lb) in steep terrain (over 30%) with high skidding resistance. 525B - Skidding loads over 6800 kg (15,000 lb) in steep terrain (over 10%) with high skidding resistance. 527 - Skidding loads over 6360 kg (14,000) in steep terrain (over 30%) with high skidding resistance.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	517 - Skidding loads up to 4536 kg (10,000 lb) in moderate terrain (8-30%) with medium skidding resistance. 525B - Skidding loads up to 6800 kg (15,000 lb) in moderate terrain (5-10%) with average skidding resistance. 527 - Skidding loads up to 6360 kg (14,000 lb) in moderate terrain (8-30%) with medium skidding resistance.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	517 - Skidding loads less than 4536 kg (10,000 lb) in flat terrain (0-8%) with low skidding resistance. 525B - Skidding loads less than 4500 kg (10,000 lb) in flat terrain (0-5%) with low skidding resistance. 527 - Skidding loads less than 6360 kg (14,000 lb) in flat terrain (0-8%) with low skidding resistance.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

517

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
09Z16660-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
5WW1-UP, 6PW1-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	329-3243	329-3243	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5WW1-UP, 6PW1-UP (Continued)						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
H4G1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

527

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
09Z15660-17080, H4G1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
09Z17081-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2RS1-UP, 4NS1-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	329-3243	329-3243	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Transmission	1	343-4464	343-4464	--	--	--
3DS1-343						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3DS1-343 (Continued)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Transmission	1	343-4464	343-4464	--	--	--
3DS344-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Transmission	1	343-4464	343-4464	--	--	--

(Continued)

527 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BDW1-UP						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BDW1-UP (Continued)						
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Transmission	1	343-4464	343-4464	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Transmission

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Power Shift Transmissions					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Application	Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Final Drive for D7E and Elevated Track-Type Tractors (except D5M, D5N, D6M and D6N)						
Moderate Usage or Intermediate Operation	Cat FADO	SAE 60	-7	50	19	122
" "	Cat TDTO	SAE 50	-15	32	5	90
" "	Cat TDTO	SAE 30	-25	15	-13	59
" "	Cat TDTO-TMS	TDTO-TMS	-35	15	-31	59
" "	Cat FDAO SYN	FDAO SYN	-15	50	5	122
Severe Usage or Continuous Operation (Multiple Shifts)	Cat FDAO	SAE 60	-25	50	-13	122
" "	Cat TDTO	SAE 50	-33	14	-27	58
" "	Cat TDTO	SAE 30	-40	0	-40	32
" "	Cat TDTO-TMS	TDTO-TMS	-40	2	-40	32
" "	Cat FDAO SYN	FDAO SYN	-33	50	-27	122
Final Drive (Differential Gearboxes) Oval Track-Type Tractors (including D5M, D5N, D6M and D6N) except D7E						
Normal	Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
" "	Cat TDTO	SAE 10W	-30	0	-22	32
" "	Cat TDTO	SAE 30	-25	25	-13	77
" "	Cat TDTO	SAE 50	-15	50	5	122

Lubricants - Special Application

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

(Continued)

Lubricants - Special Application (Continued)

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
End Pin Joints for the Equalizer Bar, Bogie Cartridge Pins and Track Pins					
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122
GO Synthetic	SAE 75W-140	-30	45	-22	113
Track Roller Frame Recoil Spring Pivot Shaft Bearings					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-20	25	-4	77
Cat TDTO	SAE 50	0	50	32	122
Cat TDTO-TMS	TDTO-TMS	-25	25	-13	77
Track Idlers and Track Rollers					
Cat DEO-ULS SYN	SAE 5W-40	-35	40	-31	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104
Variable Pitch Fan					
Cat DEO-ULS SYN	SAE 5W-40	-40	50	-40	122
Winches (Hydraulic Drive)					
Cat TDTO Cold Weather	0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	43	32	110
Cat TDTO-TMS	TDTO-TMS	-10	35	14	95

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease.
Application Point: Adjust Track, Angle Blade Tilt Brace, Equalizer Bar Pins, Fan Drive Belt Tightener, Lift Cylinder Yoke Bearing, Winch Drum Bearing, Winch Fairlead Roller

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Ditching, fill spreading, spreading base material, ripping, heavy road maintenance, snow plowing.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	Average road maintenance, road mix work, scarifying, snow plowing.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Finish grading, light maintenance, road travel.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

D3B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
23Y1-UP, 24Y1-UP						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
27Y1-UP, 28Y1-UP, 3YC1-UP, 5MC1-UP						
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
2PC1-245						
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2PC246-UP						
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
45V32894-40546 (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
45V40547-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D3C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1PJ1-UP, 5KG1-UP, 8BF1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
3RF1-UP, 6PF1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
45V1-69305 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V69306-UP, 7YJ1-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7JF1-UP						
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D3C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V90750-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
4HJ1-UP, 5CJ1-UP, 5ZG1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7JG1-UP, 8DG1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
7YJ1-2721 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7YJ2722-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D3C III

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4KS1-394, 4TS1-UP, 5GS1-373						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4KS395-UP, 5GS374-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4KS395-UP, 5GS374-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5XK1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel	1	5I-7951	5I-7951	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6SL1-2555, 7XL1-1107, 9TS1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

(Continued)

D3C III (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6SL2556-UP, 7XL1108-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6SL2556-UP, 7XL1108-UP (Continued)						
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D3G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XK1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel	1	5I-7951	5I-7951	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
BYR1-UP, JMH1-UP						
Air - Cab	1	183-2813	183-2813	--	--	--
Air - Cab	1	200-2422	200-2422	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	180-5474	180-5474	--	--	--
Air Secondary	1	180-5475	180-5475	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CFC1-UP, CFF1-UP						
Air - Cab	1	183-2813	183-2813	--	--	--
Air - Cab	1	200-2422	200-2422	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	180-5474	180-5474	--	--	--
Air Secondary	1	180-5475	180-5475	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
MHK1-UP (Engine)						
Air Primary	1	180-5474	180-5474	--	--	--
Air Secondary	1	180-5475	180-5475	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D3K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C4E1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Primary	1	309-0860	309-0860	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
FFF1-UP, JTD1-UP, LLL1-UP						
Air - A/C	1	326-8179	326-8179	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	299-8229	--	--	299-8229	--

(Continued)

D3K (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
FFF1-UP, JTD1-UP, LLL1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D4B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1SG1-UP, 2XF1-UP						
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
45V60736-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D4C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1RJ1-UP, 2CJ1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V69350-84090 (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
45V84091-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D4C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

D4C II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V90750-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7KG1-UP, 9BG1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7YJ1-2721 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7YJ2722-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D4C III

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FW1-UP, 6YL1-UP, 7SL1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4LS1-UP, 6BS1-320, 8CS1-373						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5XK1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel	1	5I-7951	5I-7951	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6BS321-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
8CS374-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel	1	5I-7951	5I-7951	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D4E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
07Z238-1003, 78P34523-46310 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
07Z1004-5174 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
07Z5175-32316 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
07Z32317-UP, 9CB1-UP (Engine)						
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
12Z1-UP (Engine)						
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
27X1-UP, 28X1-UP, 68X767-851, 69X1425-1503, 70X825-902, 72X639-650						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
2CB1-381						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air - Cab Recirculation	1	6P-1319	6P-1319	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
2CB382-UP, 2DJ829-1765						
Air	1	4M-8047	4M-8047	--	--	--
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air - Cab Recirculation	1	6P-1319	6P-1319	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
2DJ1-828, 7PB650-UP						
Air	1	4M-8047	4M-8047	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2DJ1766-1831						
Air	1	4M-8047	4M-8047	--	--	--
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air - Cab Recirculation	1	6P-1319	6P-1319	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
2DJ1832-UP						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air - Cab Recirculation	1	6P-1319	6P-1319	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
31C100-UP, 34C100-UP, 76W1-2504, 77W1-1143						
Air Primary	1	8N-5389	8N-5389	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
46V1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
4YD1-UP, 59Z1386-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	2Y-8670	2Y-8670	--	--	--
59Z1-1385 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
68X852-871, 69X1504-1531, 70X903-920, 71X426-429, 72X651-665						
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
68X872-UP, 69X1532-UP, 70X921-UP, 71X430-UP, 72X666-UP						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air - Cab Recirculation	1	6P-1319	6P-1319	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--

(Continued)

D4E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
68X872-UP, 69X1532-UP, 70X921-UP, 71X430-UP, 72X666-UP (Continued)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
76W2505-3167, 77W1144-1663						
Air	1	4M-8047	4M-8047	--	--	--
Air Primary	1	8N-5389	8N-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
76W3168-UP, 77W1664-UP						
Air	1	4M-8047	4M-8047	--	--	--
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air - Cab Recirculation	1	6P-1319	6P-1319	--	--	--
Air Primary	1	8N-5389	8N-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
7PB1-649						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D4G

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XK30700-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
CFN1-UP, FDC1-UP						
Air - Cab	1	183-2813	183-2813	--	--	--
Air - Cab	1	200-2422	200-2422	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	180-5474	180-5474	--	--	--
Air Secondary	1	180-5475	180-5475	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
HYD1-UP, TLX1-UP						
Air - Cab	1	183-2813	183-2813	--	--	--
Air - Cab	1	200-2422	200-2422	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	180-5474	180-5474	--	--	--
Air Secondary	1	180-5475	180-5475	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
MHK1-UP (Engine)						
Air Primary	1	180-5474	180-5474	--	--	--
Air Secondary	1	180-5475	180-5475	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D4H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1WB1-UP, 2CC1-UP, 9FB1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
2AC1-375, 3AC1-388, 8PB1-UP, 9DB1-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	9W-3639	9W-3639	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2AC1-375, 3AC1-388, 8PB1-UP, 9DB1-UP (Continued)						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

(Continued)

D4H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2AC376-5499, 3AC389-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	9W-3639	9W-3639	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
2AC5500-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	9W-3639	9W-3639	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
45V47656-69452 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
45V69453-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7YJ1-3152 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7YJ3153-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D4H II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2AC1-375, 3AC1-388, 8PB1-UP, 9DB1-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	9W-3639	9W-3639	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2AC376-5499, 3AC389-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	9W-3639	9W-3639	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
2AC5500-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	9W-3639	9W-3639	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
45V47656-69452 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
45V69453-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7BG1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
7YJ1-3152 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7YJ3153-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel	1	1R-0740	1R-0740	--	--	--

(Continued)

D4H II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7YJ3153-UP (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D4H III

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
09Z10600-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2EJ1-UP, 7BG1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
4NK1-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4NK1-UP (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
8PJ1-UP, 9GJ1-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D4K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C4E1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Primary	1	309-0860	309-0860	--	--	--
MMM1-UP, RRR1-UP						
Air - A/C	1	326-8179	326-8179	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MMM1-UP, RRR1-UP (Continued)						
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D5B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z446-19204 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z19205-UP, 13Z1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1AF1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	2Y-8670	2Y-8670	--	--	--
21Y1-557, 26X1-UP						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
21Y558-UP						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air - Cab Recirculation	1	6P-1319	6P-1319	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
43X722-UP, 44X1111-UP, 45X422-UP, 46X724-UP						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air - Cab Recirculation	1	6P-1319	6P-1319	--	--	--
5LD1-UP						
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	2S-1286	2S-1286	--	--	--
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic	2	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
8HD1-UP						
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	2S-1286	2S-1286	--	--	--
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic	2	4J-0816	4J-0816	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D5C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3MK1-UP, 6PJ1-UP						
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Secondary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
45V97770-UP (Engine)						
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel	1	1R-0711	1R-0711	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7YJ1-1767 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel	1	1R-0711	1R-0711	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
7YJ1768-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil	1	1R-0713	1R-0713	--	--	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D5C III

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HS1-UP, 6CS1-UP, 7PS1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Second-ary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5XK1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel	1	5I-7951	5I-7951	--	--	--
Fuel Second-ary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6ZL1-794, 9DL1-2236						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6ZL1-794, 9DL1-2236 (Continued)						
Air Second-ary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6ZL795-UP, 8ZS1-UP, 9DL2237-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	4N-0326	4N-0326	--	--	--
Air Second-ary- Axial Seal	1	4N-0313	4N-0313	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D5E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC2650-UP, 8TD3670-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
7KJ1-UP						
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	2S-1286	2S-1286	--	--	--
Hydraulic - Cartridge	2	1R-0728	1R-0728	--	139-1532	4T-3130
9RG1-353						
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	2S-1286	2S-1286	--	--	--
Hydraulic	2	4J-0816	4J-0816	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9RG1-353 (Continued)						
Hydraulic - Cartridge	2	1R-0728	1R-0728	--	139-1532	4T-3130
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
9RG354-UP						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	2	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	2	1R-0728	1R-0728	--	139-1532	4T-3130
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D5G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XK30700-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
FDH1-UP, FDW1-UP						
Air - Cab	1	183-2813	183-2813	--	--	--
Air - Cab	1	200-2422	200-2422	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	180-5474	180-5474	--	--	--
Air Secondary	1	180-5475	180-5475	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MHK1-UP (Engine)						
Air Primary	1	180-5474	180-5474	--	--	--
Air Secondary	1	180-5475	180-5475	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
RKG1-UP, WGB1-UP						
Air - Cab	1	183-2813	183-2813	--	--	--
Air - Cab	1	200-2422	200-2422	--	--	--
Air - Cab	1	6C-9226	6C-9226	--	--	--
Air Primary	1	180-5474	180-5474	--	--	--
Air Secondary	1	180-5475	180-5475	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D5H, D5H II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
12Z10967-38999 (Engine), 12Z10967-38999 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
12Z39000-UP (Engine), 12Z39000-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1DD1-5759, 8RC1-5846						
Air - Cab	2	9W-3639	9W-3639	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	4T-0523	4T-0523	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1DD5760-UP, 8RC5847-UP, 1DD5760-UP, 8RC5847-UP, 8RJ1-UP						
Air - Cab	2	9W-3639	9W-3639	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	4T-0523	4T-0523	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
1WB1-UP, 2CC1-UP, 2EJ1-UP (Winch), 2EJ1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
7NC1-5524, 9HC1-5518						
Air - Cab	2	9W-3639	9W-3639	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	4T-0523	4T-0523	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--

(Continued)

D5H, D5H II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7NC1-5524, 9HC1-5518 (Continued)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
7NC5525-UP, 9HC5519-UP						
Air - Cab	2	9W-3639	9W-3639	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7NC5525-UP, 9HC5519-UP (Continued)						
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	4T-0523	4T-0523	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D5K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C4E1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Primary	1	309-0860	309-0860	--	--	--
JLF1-UP, WWW1-UP, YYY1-UP						
Air - A/C	1	326-8179	326-8179	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	293-4053	293-4053	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JLF1-UP, WWW1-UP, YYY1-UP (Continued)						
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D5M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3CR1-1032, 3DR1-423, 4BR1-532, 6GN1-1334						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3CR1033-UP, 3DR424-UP, 4BR533-UP, 6GN1335-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3CR1033-UP, 3DR424-UP, 4BR533-UP, 6GN1335-UP (Continued)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
4TF23390-28928 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--

(Continued)

D5M (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF28929-29016 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF29017-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D5N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AGG1-331, AKD1-411						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Charcoal	2	141-7903	141-7903	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
AGG332-UP, AKD412-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Charcoal	2	141-7903	141-7903	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AGG332-UP, AKD412-UP (Continued)						
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
BMA1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D6D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
03N52495-97020, 47V1-16384 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
03N97021-UP, 08Z1629-26469 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
04X4266-UP, 7YK1-UP						
Hydraulic	1	1U-2094	1U-2094	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
05X1-852						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
05X853-UP						
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
08Z26470-UP, 8TD1-UP (Engine)						
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
19B1-399, 38C1-99						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
19B400-UP, 38C100-UP						
Hydraulic	1	1U-2094	1U-2094	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
1AF1-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel	1	2Y-8670	2Y-8670	--	--	--
36C100-1128, 37C200-1014						
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic	1	1U-2094	1U-2094	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	2	4J-0816	4J-0816	--	--	--
36C1129-UP, 37C1015-UP, 74W16164-UP, 75W1-UP						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic	1	1U-2094	1U-2094	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	2	4J-0816	4J-0816	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
37C1-199						
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic	2	4J-0816	4J-0816	--	--	--
60Z1-2075 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
60Z2076-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	2Y-8670	2Y-8670	--	--	--
74W1-1416						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic	1	1U-2094	1U-2094	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	2	4J-0816	4J-0816	--	--	--
74W1417-16163						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic	1	1U-2094	1U-2094	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	2	4J-0816	4J-0816	--	--	--
7XF1-UP						
Air Primary	1	4M-9334	4M-9334	--	--	--
Air Secondary	1	2S-1286	2S-1286	--	--	--
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic	1	1U-2094	1U-2094	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	2	4J-0816	4J-0816	--	--	--
9FK1-UP						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Hydraulic	1	1U-2094	1U-2094	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D6E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8FJ1-92						
Air Primary	1	4M-9334	4M-9334	--	--	--
Air Secondary	1	2S-1286	2S-1286	--	--	--
Hydraulic	2	1U-2092	1U-2092	--	--	--
Hydraulic	1	1U-2094	1U-2094	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	2	4J-0816	4J-0816	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8FJ93-UP						
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	2S-1286	2S-1286	--	--	--
Hydraulic	1	1U-2094	1U-2094	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	2	1R-0728	1R-0728	--	139-1532	4T-3130
8TD3150-11450 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D6H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
13Z9677-13092 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
13Z13093-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1FJ1-481						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FJ482-5540						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
1FJ5541-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931

(Continued)

D6H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3YG1-4254, 3ZF1-4382						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
3YG4255-4284, 3ZF4383-4441						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
3YG4285-5499, 3ZF4442-5499						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
3YG5500-5733, 3ZF5500-5717						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
3YG5734-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
3ZF5718-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
4RC1-1049, 6FC1-355						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931

(Continued)

D6H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4RC1050-2444, 6FC356-691						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
4RC2445-4050, 4RC4218-4302, 6FC692-4033, 6FC4077-4088						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
4RC4051-4217, 4RC4303-5499, 6FC4034-4076, 6FC4089-5499						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4RC5500-UP, 6FC5500-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
5HF1-5513, 6CF1-5533						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
5HF5514-UP, 6CF5534-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
8KB1-440						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--

(Continued)

D6H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8KB441-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8KB441-UP (Continued)						
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
9JA1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D6H II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z1-UP (Engine)						
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
13Z13093-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
1FJ1-481, 2TG1-524, 4LG1-934						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
1FJ482-5540, 2TG525-5587, 4LG935-5536, 8KK1-311						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FJ5541-UP, 2TG5588-UP, 4LG5537-UP, 8KK312-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
1YL1-318, 9LK1-360						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
1YL319-UP, 5HF5514-UP, 6CF5534-UP, 9LK361-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--

(Continued)

D6H II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1YL319-UP, 5HF5514-UP, 6CF5534-UP, 9LK361-UP (Continued)						
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
2BL1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
3YG1-4254, 3ZF1-4382						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
3YG4255-4284, 3ZF4383-4441						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3YG4285-5499, 3ZF4442-5499						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
3YG5500-5733, 3ZF5500-5717, 6CK1-347, 9KJ1-429						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
3YG5734-UP, 6CK348-UP, 9KJ430-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
3ZF5718-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--

(Continued)

D6H II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3ZF5718-UP (Continued)						
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
4RC1-1049, 6FC1-355						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
4RC1050-2444, 6FC356-691						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
4RC2445-4050, 4RC4218-4302, 6FC692-4033, 6FC4077-4088						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4RC2445-4050, 4RC4218-4302, 6FC692-4033, 6FC4077-4088 (Continued)						
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
4RC4051-4217, 4RC4303-5499, 6FC4034-4076, 6FC4089-5499						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
4RC5500-UP, 6FC5500-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
5HF1-5513, 6CF1-5533						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931

(Continued)

D6H II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5KK1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
8ZJ1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8ZJ1-UP (Continued)						
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
9JA1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D6K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Second-ary - UHE	1	306-9199	--	--	306-9199	--
DHA1-UP, FBH1-UP						
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	252-5001	252-5001	--	--	--
Air Secondary	1	252-5002	252-5002	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DHA1-UP, FBH1-UP (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
NCF1-UP						
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	252-5001	252-5001	--	--	--
Air Secondary	1	252-5002	252-5002	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D6M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

D6M (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2RN1-568, 3WN1-1940, 4JN1-1740, 9ZM1-657						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
2RN569-UP, 3WN2091-UP, 4JN1889-UP, 9ZM658-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
3WN1941-2090, 4JN1741-1888						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
Air - Cab	2	3E-7904	3E-7904	--	--	--
4TF23390-28870 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
4TF28871-28950 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF28951-UP, 7JS1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5WR1-508, 6LR1-499						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
5WR509-516						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
5WR517-UP, 6LR500-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D6N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AKM1-675, ALY1-705						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Charcoal	2	141-7903	141-7903	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
AKM676-1793, ALY706-2065						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Charcoal	2	141-7903	141-7903	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
AKM1794-1821, ALY2066-2102						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Charcoal	2	141-7903	141-7903	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AKM1794-1821, ALY2066-2102 (Continued)						
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
AKM1822-UP, ALY2103-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Charcoal	2	141-7903	141-7903	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
ALH1-253, ALR1-251						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Charcoal	2	141-7903	141-7903	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

(Continued)

D6N (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ALH254-UP, ALR252-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air - Charcoal	2	141-7903	141-7903	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
BMA1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
CBJ1-259						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
CBJ260-504						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
CBJ505-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
CCK1-366						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
CCK367-691						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

(Continued)

D6N (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CCK692-701						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
CCK702-708						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Primary	1	146-6695	146-6695	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
CCK709-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
DJA1-788, DJY1-1153						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	252-5001	252-5001	--	--	--
Air Secondary	1	252-5002	252-5002	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Transmission - ADV	1	328-3655	--	328-3655	--	--
DJA789-UP, DJY1154-UP						
Air - Cab	2	329-3243	329-3243	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	252-5001	252-5001	--	--	--
Air Secondary	1	252-5002	252-5002	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Transmission - ADV	1	328-3655	--	328-3655	--	--
GHS1-UP, LJR1-UP, MLW1-UP						
Air - Cab	2	329-3243	329-3243	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	252-5001	252-5001	--	--	--
Air Secondary	1	252-5002	252-5002	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Transmission - ADV	1	328-3655	--	328-3655	--	--
JAH1-287						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	252-5001	252-5001	--	--	--
Air Secondary	1	252-5002	252-5002	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--

(Continued)

D6N (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JAH1-287 (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
JAH288-UP						
Air - Cab	2	3E-7904	3E-7904	--	--	--
Air - Cab	2	7G-8116	7G-8116	--	--	--
Air Primary	1	252-5001	252-5001	--	--	--
Air Secondary	1	252-5002	252-5002	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JAH288-UP (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D6R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z1-93149 (Engine)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z93150-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
10Z39077-UP, 13Z37530-48655 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
13Z48656-50369 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
13Z50370-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1RW1-UP, 2HM1-UP, 2YN1-UP, 3ZN1-UP, 4FM1-UP, 4HN1-UP, 4JR1-UP, 6JN1-UP, 6MR1-UP, 7GR1-UP, 7KN1-UP, 8LN1-UP, 8TM1-UP, 8XN1-UP, 9BM1-UP, 9MN1-UP, 9PN1-UP, 9ZS1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
4MN1-UP, 5LN1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

(Continued)

D6R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DMP1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D6R II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4ZF1-UP (Engine)						
Fuel - ADV	1	1R-0764	1R-0764	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
AAX1-UP, ACJ1-UP, ADE1-UP, AEM1-UP, AEP1-UP, AFM1-UP, AGM1-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BLE1-UP, BLT1-UP, BMJ1-UP, BMY1-UP, BNC1-UP, BPM1-UP, BRJ1-UP, CAD1-UP, DAE1-UP, FDT1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
SAN1-1150 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D6R III

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DLM1-UP, DMK1-UP, DPS1-UP, GMT1-UP, JDL1-UP, LFM1-UP, MTJ1-UP, RFC1-UP, TBC1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
GJB1-UP, HCD1-UP, HDC1-UP, HKE1-UP, MRT1-UP, WCB1-UP, WRG1-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	175-2831	175-2831	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
GJB1-UP, HCD1-UP, HDC1-UP, HKE1-UP, MRT1-UP, WCB1-UP, WRG1-UP (Continued)						
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
THY1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D6T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DJG1-436, JHB1-388, KJL1-920, LAY1-1228, SKL1-578, WCG1-495, WFH1-445						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	175-2831	175-2831	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic	1	332-1871	332-1871	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DJG1-436, JHB1-388, KJL1-920, LAY1-1228, SKL1-578, WCG1-495, WFH1-445 (Continued)						
Hydraulic - FR	1	156-0214	--	--	--	156-0214
DJG437-UP, JHB389-UP, KJL921-UP, LAY1229-UP, SKL579-UP, WCG496-UP, WFH446-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	175-2831	175-2831	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic	1	332-1871	332-1871	--	--	--

(Continued)

D6T (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DJG437-UP, JHB389-UP, KJL921-UP, LAY1229-UP, SKL579-UP, WCG496-UP, WFH446-UP (Continued)						
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - FR	1	156-0214	--	--	--	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--
GCT1-441, SMC1-297						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic	1	332-1871	332-1871	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - FR	1	156-0214	--	--	--	156-0214
GCT442-UP, SMC298-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic	1	332-1871	332-1871	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - FR	1	156-0214	--	--	--	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--
JWD1-269, LAE1-316, LBD1-169, LKJ1-400, PEZ1-474, RLW1-231, ZEB1-205						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JWD1-269, LAE1-316, LBD1-169, LKJ1-400, PEZ1-474, RLW1-231, ZEB1-205 (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
JWD270-UP, LAE317-UP, LBD170-UP, LKJ401-UP, PEZ475-UP, RLW232-UP, ZEB206-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--
THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
THY1099-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D7E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MDB1-UP, SCG1-UP						
Air	1	268-6705	268-6705	--	--	--
Air	--	307-4442	209-8217	--	--	--
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air - Cab	--	318-7190	--	--	--	--
Air - Cab	1	121-2760	121-2760	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	6E-6408	--	6E-6408	126-1818	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
MDB1-UP, SCG1-UP (Continued)						
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
THX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
WDB1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D7G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
10Z45708-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
X7C1-UP						
Air	1	275-9678	275-9678	--	--	--
Air - Cab	1	175-2831	175-2831	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
X7C1-UP (Continued)						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	272-4864	272-4864	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D7H, D7H II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

D7H, D7H II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z1-UP (Engine), 08Z1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1MK1-UP, 8LB1-UP, 9EB1-UP (Winch), 1MK1-UP, 9EB1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
4FG1-328, 5BF1-613						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
4FG329-5499, 5BF614-5499						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
4FG5500-5631, 5BF5500-6032						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4FG5632-UP, 5BF6033-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
77Z1-UP, 79Z1-744, 80Z1-640						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
79Z745-2303, 79Z2305-2315, 80Z641-801						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
79Z2304-2304, 79Z2316-5499, 80Z802-5499						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

(Continued)

D7H, D7H II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
79Z5500-5925, 80Z5500-5525						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
79Z5926-UP, 80Z5526-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D7R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z93450-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1MK1-UP, 9EB1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
2EN1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2HR1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
3DN1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

(Continued)

D7R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5KZ1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary	1	1R-1712	1R-1712	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9HM1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
CBZ1-UP						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
R6J1-UP (Engine)						
Fuel Second-ary	1	1R-1712	1R-1712	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D7R II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7ZR3120-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
ABJ1-1499, ACS1-UP, AFG1-UP, AGN1-1499						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ABJ1-1499, ACS1-UP, AFG1-UP, AGN1-1499 (Continued)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
ABJ1500-1685, AGN1500-1892						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	175-2831	175-2831	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--

(Continued)

D7R II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ABJ1500-1685, AGN1500-1892 (Continued)						
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
ABJ1686-UP, AGN1893-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	175-2831	175-2831	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Transmission - ADV	1	328-3655	--	328-3655	--	--
ADW1-UP, AEC1-1499						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - ADV	1	4T-6788	--	4T-6788	223-7809	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AEC1500-2128						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	175-2831	175-2831	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
AEC2129-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	175-2831	175-2831	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D8L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

D8L (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
48W18705-19972, 7YB1658-UP (Engine)						
Coolant	1	9N-3718	9N-3718	--	--	--
48W19973-40737 (Engine)						
Coolant	1	9N-3718	9N-3718	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
48W40738-UP (Engine)						
Coolant	1	9N-3718	9N-3718	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
4FB1-UP						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
53Y1-722, 53Y725-1618, 53Y1620-1629, 53Y1631-1635, 53Y1637-1637, 53Y1639-1643, 53Y1645-1646, 53Y1649-1653, 53Y1655-1657, 53Y1659-1663, 53Y1666-1667, 53Y1669-1684, 53Y1687-1718, 53Y1720-1720, 53Y1722-1722, 53Y1724-1728, 53Y1730-1731, 53Y1733-1738, 53Y1742-1745, 53Y1747-1747, 53Y1750-1753, 53Y1755-1763, 53Y1765-1765, 53Y1767-1774, 53Y1776-1776, 53Y1778-1778, 53Y1781-1781, 53Y1784-1784, 53Y1786-1787, 53Y1789-1789, 53Y1792-1793, 53Y1796-1798, 53Y1802-1802, 53Y1806-1806, 53Y1808-1809, 53Y1848-1848, 53Y1855-1855, 53Y1862-1862						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
53Y723-724, 53Y1619-1619, 53Y1630-1630, 53Y1636-1636, 53Y1638-1638, 53Y1644-1644, 53Y1647-1648, 53Y1654-1654, 53Y1658-1658, 53Y1664-1665, 53Y1668-1668, 53Y1685-1686, 53Y1719-1719, 53Y1721-1721, 53Y1723-1723, 53Y1729-1729, 53Y1732-1732, 53Y1739-1741, 53Y1746-1746, 53Y1748-1749, 53Y1754-1754, 53Y1764-1764, 53Y1766-1766, 53Y1775-1775, 53Y1777-1777, 53Y1779-1780, 53Y1782-1783, 53Y1785-1785, 53Y1788-1788, 53Y1790-1791, 53Y1794-1795, 53Y1799-1801, 53Y1803-1805, 53Y1807-1807, 53Y1810-1847, 53Y1849-1854, 53Y1856-1861, 53Y1863-3307						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
53Y3308-UP						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
5XD1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
77M1-UP (Engine)						
Coolant	1	9N-3718	9N-3718	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--

(Continued)

D8L (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
99C7569-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D8N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
1XJ1-156						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
1XJ157-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1XJ157-UP (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
41Z22034-UP, BET12066-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
5TJ1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131

(Continued)

D8N (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
70V21758-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
7TK1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
9EB1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
9TC1-2453						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9TC1-2453 (Continued)						
Hydraulic - Cartridge	1	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
9TC2454-3982						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
9TC3983-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic	1	4J-6064	4J-6064	--	--	--

(Continued)

D8N (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9TC3983-UP (Continued)						
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - UHE	1	139-1534	--	--	139-1534	--
MHX5208-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D8R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z1-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6YZ1-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Hydraulic	1	332-1871	332-1871	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - FR	1	156-0214	--	--	--	156-0214
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7XM1-1141						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel	--	4Q-5296	4Q-5296	--	--	--
Fuel	--	1Q-2541	1Q-2541	--	--	--
Fuel - FWS	1	129-0373	129-0373	--	--	--
Fuel Group	--	1Q-3363	1Q-3363	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
7XM1142-3685						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--

(Continued)

D8R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7XM1142-3685 (Continued)						
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS	1	129-0373	129-0373	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
7XM3686-3686, 7XM3688-4639						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS	1	129-0373	129-0373	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
7XM3687-3687						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS	1	129-0373	129-0373	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7XM4640-4879						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS	1	129-0373	129-0373	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
7XM4880-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	129-0373	129-0373	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
9EB1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
9EM1-782						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--

(Continued)

D8R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9EM1-782 (Continued)						
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
9EM783-1032						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9EM783-1032 (Continued)						
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
9EM1033-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D8R II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6YZ1-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Hydraulic	1	332-1871	332-1871	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - FR	1	156-0214	--	--	--	156-0214
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AKA1-UP						
Air - Cab	1	6T-0988	6T-0988	--	--	--
Air - Cab Heater	1	6T-5068	6T-5068	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	332-1871	332-1871	--	--	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - FR	1	156-0214	--	--	--	156-0214
BET1-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--

(Continued)

D8R II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BET1-UP (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D8T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
J8B1-1425						
Air	1	238-0479	238-0479	--	--	--
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
J8B1426-1882						
Air	1	238-0479	238-0479	--	--	--
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
J8B1883-1913						
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
J8B1883-1913 (Continued)						
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
J8B1914-UP						
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Transmission - ADV	1	328-3655	--	328-3655	--	--
KPZ1-2453						
Air	1	238-0479	238-0479	--	--	--
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--

(Continued)

D8T (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KPZ1-2453 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Transmission	1	343-4465	343-4465	--	--	--
KPZ2454-3235						
Air	1	238-0479	238-0479	--	--	--
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
KPZ3236-3293						
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KPZ3236-3293 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
KPZ3294-UP						
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D9L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

D9L (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
14Y1-2235, 14Y2237-2240, 14Y2242-2243, 14Y2249-2249, 14Y2251-2252, 14Y2254-2255, 14Y2258-2258, 14Y2260-2260, 14Y2262-2263, 14Y2267-2269, 14Y2271-2271, 14Y2274-2274, 14Y2277-2281, 14Y2284-2285, 14Y2289-2290, 14Y2292-2292, 14Y2295-2295, 14Y2297-2297, 14Y2299-2299, 14Y2303-2303, 14Y2338-2338						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
14Y2236-2236, 14Y2241-2241, 14Y2244-2248, 14Y2250-2250, 14Y2253-2253, 14Y2256-2257, 14Y2259-2259, 14Y2261-2261, 14Y2264-2266, 14Y2270-2270, 14Y2272-2273, 14Y2275-2276, 14Y2282-2283, 14Y2286-2288, 14Y2291-2291, 14Y2293-2294, 14Y2296-2296, 14Y2298-2298, 14Y2300-2302, 14Y2304-2337, 14Y2339-UP						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
14Y2236-2236, 14Y2241-2241, 14Y2244-2248, 14Y2250-2250, 14Y2253-2253, 14Y2256-2257, 14Y2259-2259, 14Y2261-2261, 14Y2264-2266, 14Y2270-2270, 14Y2272-2273, 14Y2275-2276, 14Y2282-2283, 14Y2286-2288, 14Y2291-2291, 14Y2293-2294, 14Y2296-2296, 14Y2298-2298, 14Y2300-2302, 14Y2304-2337, 14Y2339-UP (Continued)						
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
3BC1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
73W1-1223 (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
73W1224-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
80M7789-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D9N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1JD1-2092						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1JD1-2092 (Continued)						
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
1JD2093-3654						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--

(Continued)

D9N (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1JD2093-3654 (Continued)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
1JD3655-UP						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
48W23086-26673 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
48W26674-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
5XD1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6XJ1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
8XB1-UP, 9EA1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
99C1927-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
BET12066-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D9R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
48W37000-38859 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
5XD1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7TL1-556						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--

(Continued)

D9R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7TL1-556 (Continued)						
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
7TL557-588						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
7TL589-774						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7TL589-774 (Continued)						
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
7TL775-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
8BL1-829						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--

(Continued)

D9R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8BL1-829 (Continued)						
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
8BL830-1006						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
8BL1007-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8BL1007-UP (Continued)						
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
99C1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
ABK1-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air - Cab Recirculation	1	154-7108	154-7108	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Primary-Radial Seal	1	132-7166	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
ACL1-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--

(Continued)

D9R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ACL1-UP (Continued)						
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Primary	1	165-1689	165-1689	--	220-0455	--
Air Primary-Radial Seal	1	132-7166	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
JJB1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air Primary-Radial Seal	1	132-7166	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
WDM1-1932						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air Primary-Radial Seal	1	132-7166	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
WDM1933-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air Primary-Radial Seal	1	132-7166	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D9T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RHX1-UP (Engine)						
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
RJS1-1262						
Air	1	238-0479	238-0479	--	--	--
Air	1	268-6705	268-6705	--	--	--
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air - Cab	1	265-3857	265-3857	--	--	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
RJS1263-1290						
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RJS1263-1290 (Continued)						
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
RJS1291-UP						
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - ADV	1	1R-0774	--	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D10N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

D10N (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2YD1-943						
Air Primary	1	7W-9853	7W-9853	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	7W-9567	7W-9567	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
2YD944-1293						
Air Primary	1	7W-9853	7W-9853	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	7W-9567	7W-9567	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
2YD1294-2415						
Air Primary	1	7W-9853	7W-9853	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	7W-9567	7W-9567	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
2YD1294-2415 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic - UHE	1	139-1533	--	--	139-1533	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
2YD2416-UP						
Air Primary	1	7W-9853	7W-9853	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	7W-9567	7W-9567	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
3BC1-UP, 9EA1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
3SK1-618						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air Primary	1	7W-9853	7W-9853	--	--	--

(Continued)

D10N (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3SK1-618 (Continued)						
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	7W-9567	7W-9567	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
3SK619-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3SK619-UP (Continued)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
5JJ1-UP, 73W1-8337, 73W9746-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
73W8338-9745 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
80M5482-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
EHX1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D10R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KR1-619						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	106-3973	106-3973	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KR1-619 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--

(Continued)

D10R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KR1-619 (Continued)						
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3KR620-703						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
3KR704-1462						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KR704-1462 (Continued)						
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
3KR1463-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
5JJ1-UP (Engine)						
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--

(Continued)

D10R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
80M1-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
9EA1-UP (Winch)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
AKT1-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air - Cab Recirculation	1	154-7108	154-7108	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AKT1-UP (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	4Q-5296	4Q-5296	--	--	--
Fuel	1	1Q-2541	1Q-2541	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
EHX1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D10T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
EHX1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
RJG1-1839						
Air	1	238-0479	238-0479	--	--	--
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic	1	249-2337	249-2337	--	--	--
Hydraulic - ADV	1	130-3212	--	130-3212	126-1814	--
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RJG1840-1880						
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic	1	249-2337	249-2337	--	--	--
Hydraulic - ADV	1	130-3212	--	130-3212	126-1814	--
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

(Continued)

D10T (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RJG1881-UP						
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RJG1881-UP (Continued)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic	1	249-2337	249-2337	--	--	--
Hydraulic - ADV	1	130-3212	--	130-3212	126-1814	--
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D11N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2GR1-UP (Engine)						
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	123-6856	123-6856	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
4HK1-561						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
4HK562-UP						
Air - Cab	1	7T-7358	7T-7358	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4HK562-UP (Continued)						
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
74Z1-295, 74Z472-1102						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
74Z296-471						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

(Continued)

D11N (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
74Z1103-UP						
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
7YG1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Second-ary - ADV	1	1R-0755	--	1R-0755	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
99W1-1853 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel	1	1R-0715	1R-0715	--	--	--
Fuel	2	8N-3080	8N-3080	--	--	--
99W1854-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel	1	1R-0715	1R-0715	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D11R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2GR1-UP (Engine)						
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	123-6856	123-6856	--	--	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Second-ary - ADV	1	1R-0755	--	1R-0755	--	--
7PZ1-681						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - UHE	2	139-1535	--	--	139-1535	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7PZ1-681 (Continued)						
Hydraulic - UHE	2	167-2009	--	--	167-2009	4T-3133
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
7PZ682-717						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - UHE	2	139-1535	--	--	139-1535	--
Hydraulic - UHE	2	167-2009	--	--	167-2009	4T-3133
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
7PZ718-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--

(Continued)

D11R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7PZ718-UP (Continued)						
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - UHE	2	139-1535	--	--	139-1535	--
Hydraulic - UHE	2	167-2009	--	--	167-2009	4T-3133
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
7YG1691-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Second-ary - ADV	1	1R-0755	--	1R-0755	--	--
8ZR1-471						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
8ZR472-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
9TR1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
9XR1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9XR1-UP (Continued)						
Hydraulic - UHE	2	139-1535	--	--	139-1535	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
AAF1-202						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - UHE	2	139-1535	--	--	139-1535	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
AAF203-206						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab UHE	1	175-2839	--	--	175-2839	--
Air - Cab UHE	1	175-2841	--	--	175-2841	--
Air - Cab UHE	1	175-2832	--	--	175-2832	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - UHE	2	139-1535	--	--	139-1535	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
AAF207-436						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--

(Continued)

D11R (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AAF207-436 (Continued)						
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - UHE	2	139-1535	--	--	139-1535	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
AAF437-UP						
Air - Cab	1	231-3781	231-3781	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7T-1890	7T-1890	--	--	--
Air - Cab Re-circulation	1	154-7108	154-7108	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AAF437-UP (Continued)						
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - UHE	2	167-2009	--	--	167-2009	4T-3133
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
C8T145-UP (Engine)						
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

D11T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
GEB1-386						
Air	1	238-0479	238-0479	--	--	--
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Hydraulic	1	249-2337	249-2337	--	--	--
Hydraulic - ADV	1	130-3212	--	130-3212	126-1814	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
GEB387-607						
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Hydraulic	1	249-2337	249-2337	--	--	--
Hydraulic - ADV	1	130-3212	--	130-3212	126-1814	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
GEB387-607 (Continued)						
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
GEB608-UP						
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Hydraulic	1	249-2337	249-2337	--	--	--
Hydraulic - ADV	1	130-3212	--	130-3212	126-1814	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
LJW2745-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

(Continued)

D11T (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
TPB1-183						
Air	1	238-0479	238-0479	--	--	--
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Hydraulic	1	249-2337	249-2337	--	--	--
Hydraulic - ADV	1	130-3212	--	130-3212	126-1814	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
TPB184-UP						
Air	1	238-0479	238-0479	--	--	--
Air - Cab	1	326-7963	326-7963	--	--	--
Air - Cab	1	311-4065	311-4065	--	--	--
Air - Cab	1	209-8217	209-8217	--	--	--
Air Primary	1	231-0167	231-0167	--	--	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil	1	243-3758	243-3758	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Hydraulic	1	249-2337	249-2337	--	--	--
Hydraulic - ADV	1	130-3212	--	130-3212	126-1814	--
Hydraulic - Cart	1	1R-0777	--	1R-0777	139-1537	104-6931

[1] Please see the Filter Upgrade information at the end of this section for additional details.

DEUCE

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4CW1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
7RR1-40						
Air - Cab	1	8C-4120	8C-4120	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Filter - Recirc Air	2	153-8007	153-8007	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7RR41-UP						
Air - Cab	1	8C-4120	8C-4120	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Filter - Recirc Air	2	153-8007	153-8007	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

30-30

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

30-30 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4CW222-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
9XW1-UP						
Air - Cab	1	8C-4120	8C-4120	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9XW1-UP (Continued)						
Filter - Recirc Air	2	153-8007	153-8007	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Transmission

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Power Shift Transmission					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Drive Axles for Small and Medium Wheel Dozers (814, 824)					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-25	15	-13	59
Cat TDTO	SAE 30	-200	43	-4	110
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	Cat TDTO-TMS	-30	43	-22	110
Drive Axles for Large Wheel Dozers (834-854)					
Cat TDTO Cold Weather	SAE 0W-20	-40	-10	-40	14
Cat TDTO	SAE 10W	-25	0	-13	32
Cat TDTO	SAE 30	-20	20	-4	68
Cat TDTO	SAE 50	-10	50	14	122
Cat TDTO-TMS	Cat TDTO-TMS	-25	22	-13	72

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease.
Application Point: Articulation Bearings, Drive Shaft Spline, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Lift Cylinder Yoke Bearing, Steering Shaft, Tilt Cylinder Bearing

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Heavy dozing, compacting heavy material. Heavy landfill work.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	Production dozing, most pushloading, shovel cleanup, normal compaction.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Considerable idling or travel with no load.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The “Part Number” column represents the “As Shipped” filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

814B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by “(Engine)” following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

814B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z3945-25424 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z25425-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
16Z1-274						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
16Z1-274 (Continued)						
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
16Z275-UP						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

814F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z86460-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
3PD1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9DM1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
BGF1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

(Continued)

814F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BGF1-UP (Continued)						
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
R6J1-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

824C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
70V14495-14538 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
70V14539-16375 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
70V16376-27198 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
70V27199-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
85X1-563						
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
85X1-563 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
85X564-836						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
85X837-1044						
Air - Cab Recirculation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

(Continued)

824C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
85X1045-1091						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
85X1092-1158, 85X1160-1175						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
85X1159-1159						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
85X1176-1193						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
85X1194-1400						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
85X1401-1578						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--

(Continued)

824C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
85X1401-1578 (Continued)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
85X1579-1583						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
85X1584-UP						
Air - Cab Re-circulation	2	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
BKN1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
LHX15363-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

824G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

824G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z212-2418 (Engine)						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z2419-24161 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z24162-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
4SN1-320						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4SN1-320 (Continued)						
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4SN321-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

824G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AWW1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BKN1-1839 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BKN1840-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

824H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ASX1-UP, ZBD1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Hydraulic - Cartridge	2	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	299-1893	299-1893	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

834B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
48W9818-15339, 48W26424-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
48W15340-26423 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
7BR1-583						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7BR1-583 (Continued)						
Power Train	2	129-8357	129-8357	--	--	--
7BR584-UP						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train	2	129-8357	129-8357	--	--	--
92Z1-328						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--

(Continued)

834B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
92Z1-328 (Continued)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
92Z329-378						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
92Z379-UP						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
99C1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

834G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6GZ1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
7RC1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BNT1-10128 (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BNT10129-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BPC1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

(Continued)

834G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BPC1-UP (Continued)						
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133

[1] Please see the Filter Upgrade information at the end of this section for additional details.

834H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BTX1-207						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel	1	222-6713	222-6713	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Precleaner	1	258-6614	258-6614	--	--	--
BTX208-999						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel	1	222-6713	222-6713	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	126-1816	--	--	126-1816	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Precleaner	1	258-6614	258-6614	--	--	--
BTX1000-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BTX1000-UP (Continued)						
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel	1	222-6713	222-6713	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Precleaner	1	258-6614	258-6614	--	--	--
Transmission	1	337-5270	337-5270	--	--	--
RHX1-UP (Engine)						
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
XDC1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel	1	222-6713	222-6713	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic	1	126-1816	--	--	126-1816	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

(Continued)

834H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
XDC1-UP (Continued)						
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133

[1] Please see the Filter Upgrade information at the end of this section for additional details.

844

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2KZ1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - FR	2	4T-3134	--	--	--	4T-3134
Hydraulic - UHE	2	139-1534	--	--	139-1534	--
5JJ251-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
80M861-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BBN1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - FR	2	4T-3134	--	--	--	4T-3134
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

844H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BTW1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	222-6713	222-6713	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - FR	2	4T-3134	--	--	--	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BTW1-UP (Continued)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
EHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

854G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1JW1-237						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
1JW238-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
2GR1-UP (Engine)						
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2GR1-UP (Engine) (Continued)						
Air Secondary	1	123-6856	123-6856	--	--	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
A4W1-UP, AMP1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Fuel	1	222-6713	222-6713	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

854K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2211-UP						
Hydraulic - UHE	1	207-5035	--	--	207-5035	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel	1	222-6713	222-6713	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2211-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
LJW1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants

Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	



Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please cosult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	15	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	133
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Transmission

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Power Shift Transmission					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Drive Axles for Compact Wheel Loaders					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-25	15	-13	59
Cat TDTO	SAE 30	-20	43	-4	110
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-30	43	-22	110
Drive Axles for Small (910-930) and Medium (938-980) Wheel Loaders					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-25	15	-13	59
Cat TDTO	SAE 30	-20	43	-4	110
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-30	43	-22	110
Drive Axles for Large Wheel Loaders (988-993)					
Cat TDTO Cold Weather	SAE 0W-20	-40	-10	-40	14
Cat TDTO	SAE 10W	-25	0	-13	32
Cat TDTO	SAE 30	-20	20	-4	68
Cat TDTO	SAE 50	-10	50	14	122
Cat TDTO-TMS	TDTO-TMS	-25	22	-13	72
Drive Axles for 994 Wheel Loaders					
Cat TDTO	SAE 10W	-25	0	-13	32
Cat TDTO	SAE 30	-20	20	-4	68
Cat TDTO	SAE 50	-10	43	14	110
Cat TDTO-TMS	TDTO-TMS	-25	22	-13	72

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease.
Application Point: Articulation Bearings, Axle Oscillation Bearings, Bucket Pivot Bearings, Drive Shaft Spline, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Frame Pivot Bearings, Steering Cylinder Bearings, Steering Shaft, Wheel Brake Camshafts

(Continued)

Greases (Continued)

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Continuous and aggressive tight truck loading, hard bank excavation, and shot rock loading from a face.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	Maximum productivity in aggregate truck loading and hopper charging. Assumes the normal tramming and load and carry associated with the high productivity stockpile load-out and batch plant applications.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Light utility, construction, low production aggregate truck loading, and most logging applications where there is considerable idling, empty traveling, and load and carry.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

G916

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V42589-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
5GD1-45						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	8N-5389	8N-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5GD1-45 (Continued)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
5GD46-UP						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--

(Continued)

G916 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5GD46-UP (Continued)						
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

G936

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
07Z15006-UP, 12Z15981-UP (Engine)			
Fuel	1	1R-0740	1R-0740
3HD1-UP			
Air - Cab	1	7T-1889	7T-1889
Hydraulic	1	2P-5834	2P-5834

Description	Qty.	Part Number	STND
4ND1-UP			
Air Primary- Radial Seal	1	7W-5317	7W-5317
Air Secondary- Axial Seal	1	9S-9972	9S-9972
Hydraulic	1	2P-5834	2P-5834

902

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3TW1-UP (Engine)						
Engine Oil	1	150-4140	150-4140	--	--	--
7ES1-UP						
Air - Cab Recirculation	1	151-0914	151-0914	--	--	--
Air - Cab Recirculation	1	120-7448	120-7448	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7ES1-UP (Continued)						
Air Secondary	1	140-2334	140-2334	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel Primary	1	156-1200	156-1200	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

904B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
B4L1-UP			
Air - Cab	1	269-8437	269-8437
Air - Cab Recirculation	1	236-5081	236-5081
Air Primary	1	134-8726	134-8726

Description	Qty.	Part Number	STND
B4L1-UP (Continued)			
Air Secondary	1	140-2334	140-2334
Engine Oil	1	263-5728	263-5728
Engine Oil	1	120-0664	120-0664
Fuel Primary	1	156-1200	156-1200
Hydraulic	1	5I-8670	5I-8670

904H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND
H4T1-UP			
Air - Cab	1	231-8132	231-8132
Air Primary	1	134-8726	134-8726
Air Secondary	1	140-2334	140-2334
Engine Oil	1	263-5728	263-5728

Description	Qty.	Part Number	STND
H4T1-UP (Continued)			
Engine Oil	1	120-0664	120-0664
Air - HVAC	1	338-5470	--
Fuel Primary	1	156-1200	156-1200
Hydraulic	1	5I-8670	5I-8670

906

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3NW30383-UP (Engine)						
Fuel - FWS	1	223-0702	223-0702	--	--	--
6ZS1-UP						
Air - Cab Re-circulation	1	120-7448	120-7448	--	--	--
Air - Cab Re-circulation	1	151-0914	151-0914	--	--	--
Air Primary	1	134-8726	134-8726	--	--	--
Air Secondary	1	140-2334	140-2334	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
MER1-UP						
Air - Cab Re-circulation	1	151-0914	151-0914	--	--	--
Air - Cab Re-circulation	1	120-7448	120-7448	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

906H, 907H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine), CJS1-UP (Engine)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
CYM1-UP (Engine), CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
SDH1-UP, TPE1-UP, MJF1-UP, SJM1-UP						
Air - Cab	1	313-2458	313-2458	--	--	--
Air - Cab	1	270-9018	270-9018	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

908

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel	1	147-6543	147-6543	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
7BJ1-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
8BS1-UP						
Air - Cab Recirculation	1	151-0914	151-0914	--	--	--
Air - Cab Recirculation	1	120-7448	120-7448	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
Fuel - FWS	1	138-3100	138-3100	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8BS1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CJS1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
TAR1-UP						
Air - Cab Recirculation	1	151-0914	151-0914	--	--	--
Air - Cab Recirculation	1	120-7448	120-7448	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

908H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CJS1-UP (Engine)						
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Engine Oil	1	1R-0734	1R-0734	--	--	--
CYM1-UP (Engine)						
Engine Oil	1	1R-0734	1R-0734	--	--	--
Engine Oil	1	267-2528	267-2528	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LMD1-UP, MXF1-UP						
Air - Cab	1	313-2458	313-2458	--	--	--
Air - Cab	1	270-9018	270-9018	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	233-9856	233-9856	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

914G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

914G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5HK11200-11200 (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel Secondary	1	159-6102	159-6102	--	--	--
5HK11201-UP (Engine)						
Engine Oil	1	7W-2326	7W-2326	--	--	--
7BJ1-UP (Engine)						
Air - Cab	1	170-7272	170-7272	--	--	--
Air - Cab Recirculation	1	206-7514	206-7514	--	--	--
Air Primary	1	206-5234	206-5234	--	--	--
Air Secondary	1	206-5235	206-5235	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
7ZM1-224						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
7ZM225-439						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
7ZM440-653						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
7ZM654-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9WM1-362						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
9WM363-1012						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	4I-7575	4I-7575	--	--	--
Air Secondary	1	122-4550	122-4550	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
9WM1013-1499						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
9WM1500-1879						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
9WM1880-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
CRS1-UP (Engine)						
Air Primary	1	293-4053	293-4053	--	--	--
Air Secondary	1	227-7449	227-7449	--	--	--
Engine Oil	1	7W-2326	7W-2326	--	--	--
Fuel - FWS	1	252-6338	252-6338	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Fuel - FWS	1	1R-1804	1R-1804	--	--	--
PDF1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	110-6326	110-6326	--	--	--

(Continued)

914G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
PDF1-UP (Continued)						
Air Secondary	1	110-6331	110-6331	--	--	--
Fuel - FWS	1	228-9130	228-9130	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

916

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2XB1-1228						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	8N-5389	8N-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
2XB1229-1319						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
2XB1320-UP						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V42589-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
9WB1-1228						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
9WB1229-1332						
Hydraulic	1	2P-5834	2P-5834	--	--	--
9WB1333-1766						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
9WB1767-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

918F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

918F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2CK1-999						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
2CK1000-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2FG1500-4904, 97Z152-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2FG4905-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
3TJ1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

924F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2FG6235-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4RR1-689 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4RR690-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4YN1-482						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4YN483-1462						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--

(Continued)

924F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4YN483-1462 (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4YN1463-1533, 5NN1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	1W-8845	1W-8845	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4YN1534-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
6MN1-457						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6MN458-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
97Z1-1449 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
97Z1450-3227 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
97Z3228-5312 (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
97Z5313-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

924G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3PZ1-UP, AAN1035-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel	1	214-0723	214-0723	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
9SW1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel	1	214-0723	214-0723	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
AAN1-674						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
AAN675-1034						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CPT1-UP (Engine)						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
DDA1-2118, RBB1-831						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
DDA2119-UP, RBB833-833, RBB1049-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
EEB1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel	1	234-7967	234-7967	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
RBB832-832, RBB834-1048						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

(Continued)

924G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
WMB1-830						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
WMB831-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

924GZ

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3DZ1-UP, AAB451-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel	1	214-0723	214-0723	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
6YW1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel	1	214-0723	214-0723	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
AAB1-319						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AAB1-319 (Continued)						
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
AAB320-450						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	163-4465	163-4465	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
CPT1-UP (Engine)						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
DFZ1-UP, RTA392-392, RTA394-496						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

(Continued)

924GZ (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RTA1-390						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
RTA391-391, RTA393-393, RTA497-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
WGX1-801						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
WGX802-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

924H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
HXC1-449						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
HXC1-449 (Continued)						
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
HXC450-733						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
HXC734-UP, KLN1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--

(Continued)

924H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
HXC734-UP, KLN1-UP (Continued)						
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
JTM1-683						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JTM1-683 (Continued)						
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
JTM684-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

924HZ

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BEF1-UP						
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
PED1-428						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
PED429-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
WLB1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

926

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45V39562-UP (Engine)						
Engine Oil	1	1R-0714	1R-0714	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
4NB1-1025, 4NB1027-1027, 4NB1606-1840						
Hydraulic	1	2P-5834	2P-5834	--	--	--
4NB1026-1026, 4NB1028-1605						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
4NB1841-3028						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
4NB3029-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
94Z1-1820						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	8N-5389	8N-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
94Z1-1820 (Continued)						
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
94Z1821-2050						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
94Z2051-UP						
Air - Cab	1	7T-1889	7T-1889	--	--	--
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	8N-4901	8N-4901	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

928F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2XL1-578						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2XL579-1756						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

(Continued)

928F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2XL1757-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Second-ary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4TF8700-14749, 98Z820-4532 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
4TF14750-UP, 6RR177-657, 98Z4533-15831 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6RR658-UP, 98Z15832-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Second-ary - ADV	1	1R-0751	--	1R-0751	306-9199	--
8AK1-494						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8AK1-494 (Continued)						
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
8AK495-867						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
8AK868-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

928G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

928G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF25000-UP, 6RR1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6XR1-885						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
6XR886-1542						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
6XR1543-UP						
Air	1	104-9481	104-9481	--	--	--
Air - Cab	1	133-7488	133-7488	--	--	--
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7SR1-1380						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
7SR1381-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
98Z1-130 (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z131-UP (Engine)						
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
CPT1-UP (Engine)						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
DJD1-1951						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--

(Continued)

928G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DJD1-1951 (Continued)						
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
DJD1952-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
WLG1-740						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
WLG1-740 (Continued)						
Air Secondary	1	152-7219	152-7219	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
WLG741-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

928H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
RSB1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

928HZ

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

928HZ (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BYD1-295						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
BYD296-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CXK1-388						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
CXK389-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

930G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CPT1-UP (Engine)						
Air Secondary	1	6I-2504	6I-2504	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
TFW1-153						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel - FWS	1	131-1812	131-1812	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
TFW1-153 (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
TFW154-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel - FWS	1	131-1812	131-1812	--	--	--

(Continued)

930G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
TFW154-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
TWR1-786						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	152-7217	152-7217	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Air Secondary	1	152-7219	152-7219	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
TWR1-786 (Continued)						
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
TWR787-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	131-1812	131-1812	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

930H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
DHC1-559						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
DHC560-599						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DHC560-599 (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
DHC600-826						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
DHC827-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

(Continued)

930H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
FTD1-827						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
FTD828-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Primary	1	222-9020	222-9020	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Air Secondary	1	222-9021	222-9021	--	--	--
Fuel - FWS	1	1R-0770	1R-0770	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1818	--	--	126-1818	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

930R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
4YD1-1221 (Engine)					
Fuel	1	2Y-8670	2Y-8670	--	--
4YD1222-UP (Engine)					
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344
Fuel	1	2Y-8670	2Y-8670	--	--
57Z1-971					
Hydraulic	1	4J-6064	4J-6064	--	--
Hydraulic	1	2P-5834	2P-5834	--	--
Hydraulic	1	3G-4621	3G-4621	--	--
57Z972-3999					
Air	1	4M-8047	4M-8047	--	--
Air Secondary	1	2S-1285	2S-1285	--	--
Hydraulic	1	4J-6064	4J-6064	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
57Z972-3999 (Continued)					
Hydraulic	1	2P-5834	2P-5834	--	--
Hydraulic	1	3G-4621	3G-4621	--	--
57Z4000-UP					
Air	1	4M-8047	4M-8047	--	--
Air Secondary	1	8N-4901	8N-4901	--	--
Hydraulic	1	4J-6064	4J-6064	--	--
Hydraulic	1	2P-5834	2P-5834	--	--
Hydraulic	1	3G-4621	3G-4621	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

936, 936E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
07Z8555-UP (Engine), 07Z8555-UP (Engine)					
Fuel	1	1R-0740	1R-0740	--	--
12Z1-UP (Engine), 12Z1-UP (Engine)					
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
12Z1-UP (Engine), 12Z1-UP (Engine) (Continued)					
Fuel	1	1R-0740	1R-0740	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--
33Z1-UP					
Air - Cab	1	7T-1889	7T-1889	--	--
Hydraulic	1	2P-5834	2P-5834	--	--

(Continued)

936, 936E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
45Z1-1359, 45Z2341-UP					
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--
Hydraulic	1	2P-5834	2P-5834	--	--
45Z1360-2340					
Air - Cab	1	7T-1889	7T-1889	--	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
45Z1360-2340 (Continued)					
Hydraulic	1	2P-5834	2P-5834	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

936F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]
07Z27900-UP (Engine)				
Fuel	1	1R-0740	1R-0740	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750
4TK1-168, 8AJ1-429				
Air Primary- Radial Seal	1	7W-5317	7W-5317	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--
Hydraulic	1	2P-5834	2P-5834	--

Description	Qty.	Part Number	STND	ADV[1]
4TK169-UP, 8AJ430-UP				
Hydraulic	1	2P-5834	2P-5834	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

938F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1KM1-1799, 7SN311-384						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1KM1800-UP, 7SN385-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

(Continued)

938F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2RM1-1123						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
2RM1124-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF14130-28599, 98Z5104-16999 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF28600-32197 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
4TF32198-UP, 98Z17000-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
7SN1-310						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

938G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4YS1-511						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
4YS512-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4YS512-UP (Continued)						
Air Secondary	1	6I-2502	6I-2502	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
55K1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--

(Continued)

938G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
55K1-UP (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6JK1-UP (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6WS1-682						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	157-3862	157-3862	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
6WS683-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	157-3862	157-3862	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
6WS683-UP (Continued)						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
9HS1-280						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
9HS281-743						
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Cab - Air	2	113-0305	113-0305	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
9HS744-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

938G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

938G II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5GG1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
BMA1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CRD1-UP, RTB1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary - UHE	1	132-7165	--	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
PHN1-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary - UHE	1	132-7165	--	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	1	157-3862	157-3862	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

938H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E1-5530 (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
C6E5531-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - FWS	1	308-7298	308-7298	--	--	--
Fuel - UHE	1	319-0844	--	--	319-0844	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Primary	1	322-9532	322-9532	--	--	--
Fuel Secondary - UHE	1	306-9199	--	--	306-9199	--
JKM1-920, LKM1007-1007, MJC1-745						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JKM1-920, LKM1007-1007, MJC1-745 (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
JKM921-UP, MJC746-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Transmission	1	341-6643	341-6643	--	--	--

(Continued)

938H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LKM1-1006						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LKM1008-UP						
Air - Cab	1	180-7487	180-7487	--	--	--
Air - Cab	1	111-8738	111-8738	--	--	--
Air Primary	1	256-7902	256-7902	--	--	--
Air Secondary	1	256-7903	256-7903	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Transmission	1	341-6643	341-6643	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

950B, 950E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
07Z1375-8554 (Engine), 07Z1375-8554 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
07Z8555-8941 (Engine), 07Z8555-8941 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
07Z8942-UP (Engine), 07Z8942-UP (Engine)						
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
12Z607-6185 (Engine), 12Z607-6185 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
12Z6186-11536 (Engine), 12Z6186-11536 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	1R-0740	1R-0740	--	--	--
12Z11537-UP (Engine), 12Z11537-UP (Engine)						
Fuel	1	1R-0740	1R-0740	--	--	--
22Z1-811						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
22Z812-4826						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
22Z4827-5259						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
22Z5260-5407						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

(Continued)

950B, 950E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
22Z5260-5407 (Continued)						
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--
22Z5408-UP						
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--
31R1-UP, 63R1-5857						
Hydraulic	1	2P-5834	2P-5834	--	--	--
63R5858-6054						
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
63R6055-9191						
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	2P-5834	2P-5834	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
63R9192-UP						
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

950F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF1-985 (Engine)						
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
4TF986-1171, 4TF1173-1178, 4TF1180-1198, 4TF1200-1201 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
4TF1172-1172, 4TF1179-1179, 4TF1199-1199, 4TF1202-5321 (Engine)						
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
4TF5322-9463, 98Z1-2349 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
4TF9464-24499, 98Z2350-8479 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Second-ary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF24500-UP, 98Z8480-14397 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Second-ary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Second-ary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6YG1-UP						
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--

(Continued)

950F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7ZF1-UP						
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Second-ary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z14398-UP (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Second-ary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Second-ary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

950F II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2LM1-187						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel Second-ary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Second-ary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--
2LM188-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Second-ary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Second-ary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2LM188-UP (Continued)						
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--
4TF1-1171, 4TF1173-1178, 4TF1180-1198, 4TF1200-1201 (Engine)						
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
4TF1172-1172, 4TF1179-1179, 4TF1199-1199, 4TF1202-9463, 98Z1-2349 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
4TF9464-24499, 98Z2350-8479 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Second-ary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF24500-UP, 98Z8480-14397 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Second-ary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Second-ary - ADV	1	1R-0751	--	1R-0751	306-9199	--

(Continued)

950F II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5SK1-1989, 8TK816-3230						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--
5SK1990-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--
8TK1-815						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8TK1-815 (Continued)						
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--
8TK3231-4187						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--
8TK4188-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Re-circulation	1	3E-0410	3E-0410	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--
98Z14398-UP (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

950G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

950G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2JS1-940, 5FW1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	157-3862	157-3862	--	--	--
2JS941-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic	1	157-3862	157-3862	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813	--
3JW1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
4BS1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4BS1-UP (Continued)						
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
55K1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
6JK1-UP (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
8JW1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

950G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

950G II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5GG1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
AXR1-UP, AXX1-UP, BAA1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary - UHE	1	132-7165	--	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
AYB1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--
Air Primary - UHE	1	132-7165	--	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813	--
Hydraulic	1	200-2672	200-2672	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AYB1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
AYL1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--
Air Primary - UHE	1	132-7165	--	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	1	200-2672	200-2672	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
BMA1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

950H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C7C1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
JAD1-187						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JAD188-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
K5K1-1						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--

(Continued)

950H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
K5K1-1 (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
K5K2-2901, M1G1-1909, N1A1-3287						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
K5K2902-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Transmission	1	341-6643	341-6643	--	--	--
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
KHX1-UP (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
M1G1910-1948, N1A3288-4011						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
M1G1949-UP, N1A4012-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Transmission	1	341-6643	341-6643	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

960F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1YM1-UP, 4CL329-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4CL1-328						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--

(Continued)

960F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF10150-13336 (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF13337-31504 (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
4TF31505-32564 (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
4TF32565-UP (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z1750-12352 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
98Z12353-17223, 98Z21190-UP (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z17224-21189 (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
9ZJ1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Engine Oil	1	1W-8845	1W-8845	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	9T-9054	9T-9054	--	9T-7656	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

962G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

962G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3BS1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	157-3862	157-3862	--	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813	--
4PW1-UP, 5AS218-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
55K1-2283 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
55K2284-UP (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
5AS1-217						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5AS1-217 (Continued)						
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
6EW1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
6JK1-UP (Engine)						
Engine Oil	1	1W-8845	1W-8845	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
7BW1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	157-3862	157-3862	--	--	--
BDP1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	128-2686	--	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	157-3862	157-3862	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

962G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5GG1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
AXS1-UP, AXY1-UP, BAD1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary - UHE	1	132-7165	--	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
AYE1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary - UHE	1	132-7165	--	--	132-7165	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813	--
Hydraulic	1	200-2672	200-2672	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AYE1-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
BAB1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary - UHE	1	156-9328	--	--	156-9328	--
Air Primary - UHE	1	132-7165	--	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	1	200-2672	200-2672	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
BMA1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS - ADV	1	1R-0769	1R-0769	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

962H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C7C1-UP, KAH1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
K6K1-468, M3G1-468, N4A1-1273						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
K6K1-468, M3G1-468, N4A1-1273 (Continued)						
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
K6K469-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--

(Continued)

962H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
K6K469-UP (Continued)						
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Transmission	1	341-6643	341-6643	--	--	--
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
M3G469-553						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
M3G554-581						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
M3G582-UP, N4A2004-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
M3G582-UP, N4A2004-UP (Continued)						
Hydraulic - UHE	1	144-0832	--	--	144-0832	--
Transmission	1	341-6643	341-6643	--	--	--
MAL1-103						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
MAL104-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832	--
N4A1274-2003						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic	1	225-4118	225-4118	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	144-0832	--	--	144-0832	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

966C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
03N97021-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
18B1-199						
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	3G-4621	3G-4621	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
18B200-UP						
Air Primary	1	4M-9334	4M-9334	--	--	--
Air Secondary	1	2S-1286	2S-1286	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	3G-4621	3G-4621	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

(Continued)

966C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
47V15899-16711, 49V9319-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
8TD1-1316 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
8TD1317-UP (Engine)						
Fuel	1	2Y-8670	2Y-8670	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

966D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z1731-21156 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z21157-UP, 13Z6035-7247, 13Z20084-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
13Z1-6034 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
13Z7248-20083 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
94X1-7031						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
94X7032-UP						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
99Y1-3801, 99Y3803-UP						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	245-6375	245-6375	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
99Y1-3801, 99Y3803-UP (Continued)						
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
99Y3802-3802						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

966E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z1731-21156 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z21157-UP, 13Z6035-7247, 13Z20084-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
13Z1-6034 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
13Z7248-20083 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
94X1-7031						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
94X7032-UP						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
99Y1-3801, 99Y3803-UP						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2504	6I-2504	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
99Y1-3801, 99Y3803-UP (Continued)						
Air Secondary	1	245-6376	245-6376	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
99Y3802-3802						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
KHX9820-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

966F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

966F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z57583-68824, 13Z22389-28099 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z68825-73069, 08Z86460-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
08Z73070-86459 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
13Z28100-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
3XJ1-UP						
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Hydraulic	1	143-2849	143-2849	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4YG1-UP						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary-Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
KHX9820-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
R6J1-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

966F II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

966F II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z57583-68824, 13Z22389-28099 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z68825-73069, 08Z86460-92746 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
08Z73070-86459, 08Z92747-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
13Z28100-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1SL1-1664						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
1SL1665-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
1SL1665-UP (Continued)						
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
9YJ1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Primary- Radial Seal	1	7W-5317	7W-5317	--	--	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Air Secondary- Axial Seal	1	9S-9972	9S-9972	--	--	--
Filter	1	125-1992	125-1992	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
R6J1-UP (Engine)						
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

966G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
3PW1-UP, 9RS1632-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	157-3862	157-3862	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3SW1-1689						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3SW1690-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3ZS1-790, HDH1-28						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3ZS1-790, HDH1-28 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3ZS791-UP, HDH29-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
9RS1-1631						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	157-3862	157-3862	--	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

966G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

966G II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3PD1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
ANT1-UP, ANZ1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AWY1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813	--
Hydraulic	1	200-2672	200-2672	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
AXJ1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	200-2672	200-2672	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

966H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
A6D1-2144, A6G1-3806, FMW1-22					
Air - Cab	1	7X-6041	7X-6041	--	--
Air Primary	1	245-3818	245-3818	--	--
Air Secondary	1	245-3819	245-3819	--	--
Engine Oil	1	338-3540	338-3540	--	--
Hydraulic	1	225-4118	225-4118	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
A6D2145-2442, A6G3807-3985, TAL1-UP					
Air - Cab	1	7X-6041	7X-6041	--	--
Air Primary	1	245-3818	245-3818	--	--
Air Secondary	1	245-3819	245-3819	--	--
Engine Oil	1	338-3540	338-3540	--	--
Hydraulic	1	225-4118	225-4118	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Transmission - ADV	1	328-3655	--	328-3655	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
A6D2443-UP, A6G3986-UP					
Air - Cab	1	7X-6041	7X-6041	--	--
Air Primary	1	245-3818	245-3818	--	--
Air Secondary	1	245-3819	245-3819	--	--
Engine Oil	1	338-3540	338-3540	--	--
Hydraulic	1	225-4118	225-4118	--	--
Hydraulic - UHE	1	144-0832	--	--	144-0832
Transmission - ADV	1	328-3655	--	328-3655	--
FMW23-103, RYF1-309					
Air - Cab	1	7X-6041	7X-6041	--	--
Air Primary	1	245-3818	245-3818	--	--
Air Secondary	1	245-3819	245-3819	--	--
Hydraulic	1	225-4118	225-4118	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Transmission - ADV	1	328-3655	--	328-3655	--

(Continued)

966H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
FMW104-UP, RYF310-UP					
Air - Cab	1	7X-6041	7X-6041	--	--
Air Primary	1	245-3818	245-3818	--	--
Air Secondary	1	245-3819	245-3819	--	--
Hydraulic	1	225-4118	225-4118	--	--
Hydraulic - UHE	1	144-0832	--	--	144-0832
Transmission - ADV	1	328-3655	--	328-3655	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
RSX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

970F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z70280-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
13Z28100-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
7SK1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9JK1-491						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	1	143-2849	143-2849	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
9JK492-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab Heater	1	9X-3352	9X-3352	--	--	--
Air - Cab Recirculation	1	3E-0410	3E-0410	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Filter	1	125-1992	125-1992	--	--	--
Hydraulic	1	143-2849	143-2849	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

972G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
13Z1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1EW1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	157-3862	157-3862	--	--	--
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4WW1-856						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4WW857-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6AW1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	157-3862	157-3862	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
7LS1-465						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
7LS466-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

972G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

972G II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5ED1-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
ANY1-UP, AWP1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AXC1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	4I-3948	4I-3948	184-3931	126-1813	--
Hydraulic	1	200-2672	200-2672	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
AXN1-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	200-2672	200-2672	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

972H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
A7D1-767, A7G1-1218					
Air - Cab	1	7X-6041	7X-6041	--	--
Air Primary	1	245-3818	245-3818	--	--
Air Secondary	1	245-3819	245-3819	--	--
Engine Oil	1	338-3540	338-3540	--	--
Hydraulic	1	225-4118	225-4118	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
A7D768-UP, A7G1219-1296, GTA1-UP, WLA1-UP					
Air - Cab	1	7X-6041	7X-6041	--	--
Air Primary	1	245-3818	245-3818	--	--
Air Secondary	1	245-3819	245-3819	--	--
Engine Oil	1	338-3540	338-3540	--	--
Hydraulic	1	225-4118	225-4118	--	--
Hydraulic	1	9T-8578	--	9T-8578	144-0832
Transmission - ADV	1	328-3655	--	328-3655	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]
A7G1297-UP					
Air - Cab	1	7X-6041	7X-6041	--	--
Air Primary	1	245-3818	245-3818	--	--
Air Secondary	1	245-3819	245-3819	--	--
Engine Oil	1	338-3540	338-3540	--	--
Hydraulic	1	225-4118	225-4118	--	--
Hydraulic - UHE	1	144-0832	--	--	144-0832
Transmission - ADV	1	328-3655	--	328-3655	--
MHX1-UP (Engine)					
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484
Fuel - FWS ADV	1	326-1644	--	326-1644	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

980C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
2XD1-UP						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
63X1-2818						
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
63X2819-5062						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
63X5063-5184						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Hydraulic	4	3G-3448	3G-3448	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
63X5185-5640						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Hydraulic	4	3G-3448	3G-3448	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
63X5641-6474						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic	4	3G-3448	3G-3448	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
63X6475-6547, 63X6549-6574						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
63X6548-6548						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
63X6575-8791, 63X8863-9125						
Air - Cab Recirculation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

(Continued)

980C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
63X8792-8862						
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
63X9126-UP						
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary	1	1P-7716	1P-7716	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
70V14496-14538 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
70V14539-16375 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
70V16376-27198 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
70V27199-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

980F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP (Engine)						
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
3HK1-720						
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3HK721-UP						
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

(Continued)

980F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8CJ1-540						
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8CJ541-UP						
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

980F II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N9825-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
4RN1-804						
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4RN805-UP						
Air - Cab	1	7R-2258	7R-2258	--	--	--
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
8JN1-UP						
Air - Cab Re-circulation	1	2V-0036	2V-0036	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134

[1] Please see the Filter Upgrade information at the end of this section for additional details.

980G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2KR1-505						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2KR506-3564						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2KR3565-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
41Z1-254 (Engine)						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z1-254 (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z255-1786 (Engine)						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
41Z1787-UP (Engine)						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
9CM1-372						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel	1	172-2152	172-2152	--	--	--
Hydraulic	1	143-2849	143-2849	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
9CM373-2141						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	172-2152	172-2152	--	--	--
Hydraulic	1	143-2849	143-2849	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

(Continued)

980G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9CM2142-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9CM2142-UP (Continued)						
Fuel	1	172-2152	172-2152	--	--	--
Hydraulic	1	143-2849	143-2849	--	--	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

980G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AWH1-759						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
AWH760-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AWH760-UP (Continued)						
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
AXG1-1270						
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	129-0373	129-0373	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	200-2672	200-2672	--	--	--
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
AXG1271-UP						
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	129-0373	129-0373	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--

(Continued)

980G II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AXG1271-UP (Continued)						
Hydraulic	1	200-2672	200-2672	--	--	--
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
BET1-13280 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BET1-13280 (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BET13281-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

980H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
JMS1-3999						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--
JMS4000-UP						
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
Hydraulic - UHE	1	102-2828	--	--	102-2828	156-0214
Transmission - ADV	1	328-3655	--	328-3655	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LHX1-24888 (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
LHX24889-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	299-1893	299-1893	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
MHG1-UP						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	7X-6041	7X-6041	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil	1	338-3540	338-3540	--	--	--
Hydraulic - UHE	1	126-1818	--	--	126-1818	--
Transmission - ADV	1	328-3655	--	328-3655	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

988B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
48W1-13172, 48W26424-UP, 99C9850-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
48W13173-26423 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
50W1-1285						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
50W1286-3776						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
50W3777-6040						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
50W6041-8176						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
50W8177-8184, 50W8225-9164						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
50W8185-8224						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
50W9165-UP						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

988F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
48W34250-UP, 5XD4137-UP, 99C9764-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
8YG1-UP						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8YG1-UP (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

988F II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2ZR1-440						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2ZR441-UP						
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
5XD1-UP, 99C1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

988G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1NZ1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	139-1535	--	--	139-1535	--
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
2TW1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2TW1-UP (Continued)						
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Power Train - UHE	1	132-8875	--	--	132-8875	4T-3131
7RC1-UP, BNT10129-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BNH1-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
BNT1-10128 (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

988H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4091-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4091-UP (Continued)						
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Precleaner	1	258-6614	258-6614	--	--	--
BXY1-3999						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel	1	222-6713	222-6713	--	--	--

(Continued)

988H (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BXY1-3999 (Continued)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	299-1893	299-1893	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Hydraulic - UHE	1	167-2009	--	--	167-2009	4T-3133
Precleaner	1	258-6614	258-6614	--	--	--
BXY4000-UP						
Air - Cab	1	112-7448	112-7448	--	--	--
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel	1	222-6713	222-6713	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BXY4000-UP (Continued)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel - FWS	1	299-1893	299-1893	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Precleaner	1	258-6614	258-6614	--	--	--
Transmission	1	337-5270	337-5270	--	--	--
RHX1-UP (Engine)						
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

990

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
73W14650-UP, 80M7883-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
7HK1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7HK1-UP (Continued)						
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - FR	1	4T-3134	--	--	--	4T-3134
Hydraulic - UHE	2	139-1534	--	--	139-1534	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

990 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

990 II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4FR1-208						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - FR	1	4T-3134	--	--	--	4T-3134
Hydraulic - UHE	2	139-1534	--	--	139-1534	--
4FR209-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - FR	1	4T-3134	--	--	--	4T-3134
Hydraulic - UHE	2	139-1534	--	--	139-1534	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5JJ251-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
80M1-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BCR1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	222-6713	222-6713	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic - FR	1	4T-3134	--	--	--	4T-3134
Hydraulic - UHE	2	139-1534	--	--	139-1534	--
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

990H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BWX1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel	1	222-6713	222-6713	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - FR	1	4T-3134	--	--	--	4T-3134
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
EHX1-2699 (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
EHX2700-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

992C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
42X1-647						
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
42X648-899						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
42X900-UP						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
49Z1-560						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
49Z1-560 (Continued)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
49Z561-1175						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
49Z1176-1599						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

(Continued)

992C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
49Z1600-UP						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
49Z1600-UP (Continued)						
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
73W1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
80M1-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

992D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
73W13888-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
7MJ1-147						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7MJ148-641						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-3718	9N-3718	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
7MJ642-UP						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--

(Continued)

992D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7MJ642-UP (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic	1	4J-6064	4J-6064	--	--	--
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7MJ642-UP (Continued)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
80M1-UP (Engine)						
Coolant	1	9N-3367	9N-3367	--	--	--
Coolant	1	9N-3368	9N-3368	--	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

992G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2GR1-UP (Engine)						
Air Primary	1	4W-5228	4W-5228	--	132-7171	--
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	123-6856	123-6856	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary	1	1N-4864	1N-4864	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
7HR1-UP, ADZ1-540						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
ADZ541-UP, AZX1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Fuel	1	222-6713	222-6713	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
C8T1-UP (Engine)						
Air Primary	1	123-6855	123-6855	--	132-7169	--
Air Secondary	1	123-6856	123-6856	--	--	--
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

992K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

992K (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
H4C1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel	1	222-6713	222-6713	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Hydraulic - UHE	1	207-5035	--	--	207-5035	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
H4C1-UP (Continued)						
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
LJW2195-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

993K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
Z9K1-UP						
Air - Cab	1	107-0266	107-0266	--	--	--
Air Primary - UHE	1	132-7168	--	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil	9	243-3758	243-3758	--	--	--
Fuel	1	222-6713	222-6713	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
Z9K1-UP (Continued)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic	1	134-0964	134-0964	--	4C-6860	--
Hydraulic - UHE	1	126-1813	--	--	126-1813	--
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train - UHE	1	139-1537	--	--	139-1537	104-6931
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

994

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
54Z486-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
9YF1-19						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Recirculation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9YF1-19 (Continued)						
Air Secondary	1	6N-6444	6N-6444	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

(Continued)

994 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9YF20-20, 9YF28-48						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
9YF21-27						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic	2	1R-0720	1R-0720	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9YF49-109						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil	1	9T-5916	9T-5916	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
9YF110-UP						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

994D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3TZ1-UP						
Air - Cab	1	8P-5343	8P-5343	--	--	--
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Second-ary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3TZ1-UP (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
7TR360-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Second-ary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

994F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4421-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - UHE	1	126-1817	--	--	126-1817	134-3014
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8WM1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

994G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7TR1-UP (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
8FR1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Air Primary- Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8FR1-UP (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Power Train - UHE	1	132-8876	--	--	132-8876	4T-3132
BEH1-UP						
Air - Cab	1	9X-8216	9X-8216	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	

Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat HYDO Advanced	HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Transmisson

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Power Shift Transmissions					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	50	32	122
Cat TDTO-TMS	TDTO-TMS	-10	50	14	122

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Final Drive and Swing Drive					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-30	0	-22	32
Cat TDTO	SAE 30	-25	25	-13	77
Cat TDTO	SAE 50	-15	50	5	122
Cat TDTO-TMS	TDTO-TMS	-30	25	-22	77
Drive Axle for Wheel Log Skidders (525-545)					
Cat TDTO Cold Weather	SAE 0W-20	-40	0	-40	32
Cat TDTO	SAE 10W	-25	15	-13	59
Cat TDTO	SAE 30	-20	43	-4	110
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-30	43	-22	110

Lubricants - Special Application

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Variable Pitch Fan					
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104
Cat DEO-ULS SYN	SAE 5W-40	-40	50	-40	122

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease.
Application Point: Articulation Bearings, Bogie Bearings, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Gate Cylinder, Grapple Head Rotator, Swing Drive Bearing, Swing Drive Gear, Winch Drive Shaft Bearing, Winch Drive Shaft Universal Joint, Winch Drum Bearing

(Continued)

Greases (Continued)

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	517 - Skidding loads over 4536 kg (10,000 lb) in steep terrain (over 30%) with high skidding resistance. 525B - Skidding loads over 6800 kg (15,000 lb) in steep terrain (over 10%) with high skidding resistance. 527 - Skidding loads over 6360 kg (14,000 lb) in steep terrain (over 30%) with high skidding resistance.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	517 - Skidding loads up to 4536 kg (10,000 lb) in moderate terrain (8-30%) with medium skidding resistance. 525B - Skidding loads up to 6800 kg (15,000 lb) in moderate terrain (5-10%) with average skidding resistance. 527 - Skidding loads up to 6360 kg (14,000 lb) in moderate terrain (8-30%) with medium skidding resistance.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	517 - Skidding loads less than 4536 kg (10,000 lb) in flat terrain (0-8%) with low skidding resistance. 525B - Skidding loads less than 4500 kg (10,000 lb) in flat terrain (0-5%) with low skidding resistance. 527 - Skidding loads less than 6360 kg (14,000 lb) in flat terrain (0-8%) with low skidding resistance.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

515

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
07Z32027-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
4LR1-717						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic	1	9T-7656	--	--	9T-7656	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4LR1-717 (Continued)						
Power Train	1	129-8357	129-8357	--	--	--
4LR718-UP						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Power Train	1	129-8357	129-8357	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

518

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
07Z1523-4628 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
07Z5694-8941 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
07Z8942-UP (Engine)						
Fuel	1	1R-0740	1R-0740	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1HE1-UP, 1ZC1-UP (Transmission)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3GA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4SA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
50S3230-UP, 55U669-UP, 8ZC1-UP, 94U691-UP, 95U101-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

518 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
07Z4629-5693 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
07Z5694-8941 (Engine)						
Fuel	1	1R-0740	1R-0740	--	--	--
07Z8942-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel	1	1R-0740	1R-0740	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1ZC1-UP, 7RE1-UP, 9NE1-UP (Transmission)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
94U691-UP, 95U101-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

518C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
07Z28000-28000 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
07Z28001-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1CL1-UP, 9HJ1-UP						
Air Primary	1	7W-5389	7W-5389	--	--	--
Air Secondary	1	2S-1285	2S-1285	--	--	--
Hydraulic	1	4J-0816	4J-0816	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - FR	1	4T-3130	--	--	--	4T-3130
2DX1-UP, 4MX1-UP, 8XX1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

525

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
07Z31733-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1DN1-1068						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1DN1-1068 (Continued)						
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic	1	9T-7656	--	--	9T-7656	--
Power Train	1	129-8357	129-8357	--	--	--

(Continued)

525 (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1DN1069-1968						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Hydraulic	1	9T-7656	--	--	9T-7656	--
Power Train	1	129-8357	129-8357	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1DN1969-UP						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	9T-7656	--	--	9T-7656	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
Power Train	1	129-8357	129-8357	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

525B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KZ1-795, 3KZ797-820						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
3KZ796-796						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KZ821-874						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
3KZ875-UP						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

(Continued)

525B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
55K1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
55K1-UP (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

525C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5251-UP						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5251-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
KHX304-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

528

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
03N52366-UP, 08Z977-1628 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
08Z1629-19204 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
3TA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
51S1-662						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
51S663-UP, 78W1-UP						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

528B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

528B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z66000-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1PX1-UP, 7GX1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC1-UP (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
8SJ1-UP						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

530B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z66000-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
3PX1-UP, 7HX1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
5BK1-UP						
Air Primary	1	6I-2501	6I-2501	--	128-2686	--
Air Secondary	1	6I-2502	6I-2502	--	--	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

535B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

535B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
55K1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS	1	151-2409	151-2409	--	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
AAE1-557						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
AAE558-561, AAE563-567						
Air - Cab	1	223-3694	223-3694	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
AAE562-562						
Air - Cab	1	223-3694	223-3694	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AAE568-582						
Air - Cab	1	223-3694	223-3694	--	--	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
AAE583-708, AAE747-778						
Air - Cab	1	223-3694	223-3694	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
AAE709-746						
Air - Cab	1	223-3694	223-3694	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
AAE779-UP						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214

[1] Please see the Filter Upgrade information at the end of this section for additional details.

535C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

535C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5351-UP						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5351-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

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Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2FZ1-431						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
2FZ432-432, 2FZ434-437						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2FZ432-432, 2FZ434-437 (Continued)						
Hydraulic - Cartridge	1	1R-0722	1R-0722	1R-0774	139-1536	4T-3134
Hydraulic - Cartridge	1	1R-0735	1R-0735	1R-0777	139-1537	104-6931
2FZ433-433, 2FZ438-UP						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
Hydraulic - ADV	1	144-6691	--	144-6691	126-1815	121-9868
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

545C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5451-UP						
Air - Cab	1	223-3694	223-3694	--	--	--
Air Primary	1	245-6375	245-6375	--	--	--
Air Secondary	1	245-6376	245-6376	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic	1	201-0875	--	201-0875	223-7810	--
Hydraulic	1	152-6902	--	152-6902	207-5035	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5451-UP (Continued)						
Hydraulic - ADV	1	1G-8878	--	1G-8878	102-2828	156-0214
KHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Coolants



Cat Recommended Coolants	
Coolant Type	Service Life {1}
Cat ELC	12,000 Service Hours or Six Years {2,3}
Cat DEAC	3,000 Service Hours or Three Years {3}
{1} Use the interval that occurs first.	
{2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC.	
{3} These coolant change intervals are only possible with annual S·O·S Level 2 coolant sampling and analysis.	

Lubricants - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Engine Crankcase					
Cat DEO	SAE 15W-40	-9.5	50	15	122
Cat DEO	SAE 10W-30	-18	40	0	104
Cat DEO-ULS	SAE 15W-40	-9.5	50	15	122
Cat DEO-ULS	SAE 10W-30	-18	40	0	104
Cat DEO-ULS Cold Weather	SAE 0W-40	-40	40	-40	104

Lubricants - Hydraulic System

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Hydraulic Systems					
Cat TDTO Cold Weather	SAE 0W-20	-40	40	-40	104
Cat HYDO Advanced 10	SAE 10W	-20	40	-4	104
Cat HYDO Advanced 30	SAE 30	10	50	50	122
Cat Bio HYDO Advanced	Bio HYDO Advanced	-30	45	-22	113
Cat DEO/DEO-ULS	SAE 15W-40	-15	50	5	122

Lubricants - Transmission

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Transmission					
Cat TDTO Cold Weather	SAE 0W-20	-40	10	-40	50
Cat TDTO	SAE 10W	-20	10	-4	50
Cat TDTO	SAE 30	0	35	32	95
Cat TDTO	SAE 50	10	50	50	122
Cat TDTO-TMS	TDTO-TMS	-20	43	-4	110

Lubricants - Nondriven Wheels

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Nondriven Scraper Wheels					
Cat FDAO	SAE 60	-7	50	19	122
Cat TDTO	SAE 50	-15	32	5	90
Cat TDTO	SAE 30	-25	15	-13	59
Cat TDTO-TMS	TDTO-TMS	-35	15	-31	59
Cat FDAO SYN	FDAO SYN	-15	50	5	122
Nondriven Scraper Wheels (Towed Scrapers)					
Cat GO Synthetic	SAE 75W-140	-30	45	-22	113
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122

Lubricants - Final Drives/Differentials

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oil Type and Category	Oil Viscosities	Min °C	Max °C	Min °F	Max °F
Differentials and Final Drives, Auger Lower Bearings, Auger and Elevator Speed Reducers					
Cat GO Synthetic	SAE 75W-140	-30	45	-22	113
Cat GO	SAE 80W-90	-20	40	-4	104
Cat GO	SAE 85W-140	-10	50	14	122
Elevator Lower Rollers					
Cat DEO-ULS SYN	SAE 5W-40	-35	40	-31	104

Greases

For Fan Drive Bearings, use Cat High Speed Ball Bearing Grease.
Application Point: Brake Camshaft Bearings, Drive Shaft Spline, Ejector Carrier and Support Rollers, Sprocket Shaft Support Bearings

Typical Applications (Load and Speed)	Load Factor	Ambient Temperature Range (°C) Min, Max	Ambient Temperature Range (°F) Min, Max	NLGI Grade	Recommended Grease Type
High	Continuous high total resistance conditions with steady cycling.	-30, 50	-22, 122	2	Ultra 5Moly Grease
High		-35, 40	-31, 104	1	Ultra 5Moly Grease
High		-40, 35	-40, 95	0	Ultra 5Moly Grease
Medium	Typical road building use.	-20, 40	-4, 104	2	Advanced 3Moly Grease
Low	Average use but with considerable idling, favorable grades, low rolling resistance and easy loading material.	-30, 40	-22, 104	2	Multipurpose Grease

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

611

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC14000-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
6SZ1-236						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6SZ1-236 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6SZ237-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

[1] Please see the Filter Upgrade information at the end of this section for additional details.

613C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
79V11069-UP (Engine)						
Engine Oil	2	1R-0713	1R-0713	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
92X1-UP						
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	8P-5142	8P-5142	--	--	--
Air Primary	1	8N-5316	8N-5316	--	--	--
Air Secondary - Axial Seal	1	2S-1287	2S-1287	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
92X1-UP (Continued)						
Hydraulic	2	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
93X1-2779 (Scraper)						
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
93X2780-UP (Scraper)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

613C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

613C II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4TF1-UP (Engine)						
Air Primary	1	6I-2499	6I-2499	--	132-7164	--
Air Secondary	1	6I-2500	6I-2500	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0753	--	1R-0753	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
8LJ1-778						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary	1	8N-5316	8N-5316	--	--	--
Air Secondary - Axial Seal	1	2S-1287	2S-1287	--	--	--
Hydraulic	2	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
8LJ779-2499						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic	2	4J-6064	4J-6064	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
8LJ2500-UP						
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
93X1-2779 (Scraper)						
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
93X2780-UP (Scraper)						
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel - FWS	1	8N-9803	8N-9803	--	--	--
98Z1-1002, 98Z13117-UP (Engine)						
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
98Z1003-13116 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
KEH1-UP						
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel - FWS	1	117-4089	117-4089	--	--	--
Fuel Secondary - ADV	1	1R-0751	--	1R-0751	306-9199	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
LCZ1-UP, TJK1-UP						
Fuel - FWS	1	117-4089	117-4089	--	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

613G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
C6E207-7899 (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
C6E7900-UP (Engine)						
Engine Oil	1	269-8325	269-8325	--	--	--
Fuel - UHE	1	299-8229	--	--	299-8229	--
Fuel Primary	1	309-0860	309-0860	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DBE1-UP, ESB1-UP						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	268-6704	268-6704	--	--	--
Air Primary	1	304-5632	304-5632	--	--	--
Air Secondary	1	304-5633	304-5633	--	--	--
Engine Oil	2	243-3758	243-3758	--	--	--

(Continued)

613G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DBE1-UP, ESB1-UP (Continued)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

615

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z7769-25424 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z25425-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
46Z1-1452						
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	8P-5142	8P-5142	--	--	--
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Secondary- Axial Seal	1	8N-6883	8N-6883	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
46Z1-1452 (Continued)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
46Z1453-UP						
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	8P-5142	8P-5142	--	--	--
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Secondary- Axial Seal	1	8N-6883	8N-6883	--	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

615C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z42148-42419, 08Z63875-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z42420-63874 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2XG1-UP (Scraper)						
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	8P-5142	8P-5142	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5TF1-UP						
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	8P-5142	8P-5142	--	--	--
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary- Axial Seal	1	8N-6883	8N-6883	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--

(Continued)

615C (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5TF1-UP (Continued)						
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC1-UP (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

615C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z69300-UP, 10Z46580-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2XG1-UP (Scraper)						
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	8P-5142	8P-5142	--	--	--
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
9XG1-UP						
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary- Axial Seal	1	8N-6883	8N-6883	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

621B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

621B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1LA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2GB1-UP (Scraper)						
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
41Z1-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
45P1-1741						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
45P1742-2265						
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
45P2266-UP						
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
70V1062-10345 (Engine)						
Fuel	1	4N-5823	4N-5823	--	--	--
70V10346-UP (Engine)						
Fuel	1	4N-5823	4N-5823	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
BET12000-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
LHX14535-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

621E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

621E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
1WE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
2PD1-686						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
2PD687-1010						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
2PD1011-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
41Z1-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6AB1-905						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6AB1-905 (Continued)						
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6AB906-1289						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6AB1290-1519						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

(Continued)

621E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6AB1520-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6AB1520-UP (Continued)						
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
70V22151-27198 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
BET12057-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
LHX14808-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

621F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1WE2000-UP, 4RY489-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
41Z1-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
4RY1-488 (Transmission)						
Hydraulic - Cartridge	1	1R-0719	1R-0719	1R-0773	132-8875	4T-3131
4SK1-497						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4SK1-497 (Continued)						
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
4SK498-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--

(Continued)

621F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4SK498-UP (Continued)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
8PL1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
8PL1-UP (Continued)						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
BET12057-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
LHX14808-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

621G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6PY1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
ALP1-UP						
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
BET1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CEN1-UP						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
DBB1-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--

(Continued)

621G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DBB1-UP (Continued)						
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Second- ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - UHE	1	126-1814	--	--	126-1814	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DBB1-UP (Continued)						
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Second- ary - ADV	1	1R-0762	--	1R-0762	--	--
M1R1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

621S

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1TE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
8KD628-UP						
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

[1] Please see the Filter Upgrade information at the end of this section for additional details.

623B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1KA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
41Z1-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Second- ary - ADV	1	1R-0749	--	1R-0749	--	--
46P1-994						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second- ary- Axial Seal	1	6I-2508	6I-2508	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
46P1-994 (Continued)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
46P995-1333						
Air - Cab Re- circulation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second- ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--

(Continued)

623B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
46P1334-UP						
Air - Cab Re-circulation	2	6P-1319	6P-1319	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
70V10346-UP (Engine)						
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
BET12000-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
LHX14535-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

623E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
11N1-UP (Engine)						
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
1SE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
1WE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
41Z1-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
6CB1-703						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6CB1-703 (Continued)						
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6CB704-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6YF1-101						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--

(Continued)

623E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6YF1-101 (Continued)						
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6YF102-358						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6YF359-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
70V22151-27198 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
BET12057-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
LHX14808-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

623F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

623F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1WE2000-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
41Z1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
4RY489-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
5EW1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6BK1-364						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6BK1-364 (Continued)						
Coolant	1	9Y-1022	9Y-1022	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6BK365-UP						
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
LHX14808-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

623G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

623G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6PY1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
ARW1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
BET1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
CES1-UP						
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CES1-UP (Continued)						
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
DBC1-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic	1	4T-6915	4T-6915	--	--	--
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Second-ary - ADV	1	1R-0762	--	1R-0762	--	--
M1R1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

627B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
03N97021-UP, 08Z7808-21658, 08Z23614-25986 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
08Z21659-23613 (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z25987-26313 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--

(Continued)

627B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z26314-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
14S1-873, 15S1-1187						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
14S874-UP, 15S1188-UP						
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1RA1-UP, 1SA1-UP, 37V1-922, 38V1-1294 (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
1TA1-UP, 1XC1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
70V22477-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

627E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z33294-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
11N1-UP (Engine)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
1SE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
1TE1-UP, 1WE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3GB1-UP, 3JB1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3WJ1-UP (Scraper)						
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary- Axial Seal	1	8N-6883	8N-6883	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
41Z1-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6EB1-509						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6EB510-523						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--

(Continued)

627E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6EB510-523 (Continued)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6EB524-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6FB1-UP, 6HB1-UP (Scraper)						
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Primary	1	6I-2503	6I-2503	--	132-7165	--
Air Secondary	1	6I-2504	6I-2504	--	--	--
Air Secondary- Axial Seal	1	8N-6883	8N-6883	--	--	--
6GB1-597						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6GB598-616						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6GB598-616 (Continued)						
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
6GB617-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
70V22151-27198 (Engine)						
Engine Oil - ADV	1	275-2604	--	275-2604	244-4484	--
7CG1-870						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
7CG871-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5495	7W-5495	--	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary- Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	1P-7360	1P-7360	--	--	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--

(Continued)

627E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
7CG871-UP (Continued)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
BET12000-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LHX14808-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

627F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z72000-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
1DL1-310						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1DL311-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9Y-1022	9Y-1022	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1WE2000-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3GB900-UP, 3JB500-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
41Z1-UP (Engine)						
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

(Continued)

627F (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4RY489-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4YK1-243 (Scraper)						
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Secondary- Axial Seal	1	8N-6883	8N-6883	--	--	--
4YK244-UP (Scraper)						
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary	1	1R-1712	1R-1712	--	--	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BET12057-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
LHX14808-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

627G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3GB1-UP, 3JB1-UP, CWK1-UP, DRX1-UP, M1R1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4ZF2708-12425 (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
4ZF12426-UP, LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
6NC17840-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
6PY1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AXF1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
AYK1-UP (Scraper)						
Air Primary- Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--

(Continued)

627G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BET1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
CEX1-UP						
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
CEZ1-UP, DBZ1-UP (Scraper)						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
DBD1-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DBD1-UP (Continued)						
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
THX1-131 (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
THX132-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

631D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1YA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
24W1-1587						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
24W1-1587 (Continued)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

(Continued)

631D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
24W1588-1643						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
24W1644-1665						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
24W1666-UP						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
48W3287-19874 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
48W19875-UP, 99C7615-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
5XD1-4017 (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
5XD4018-UP (Engine)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
LHX4254-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

631E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1AB1-855						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1AB1-855 (Continued)						
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1AB856-1445						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--

(Continued)

631E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1AB856-1445 (Continued)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1AB1446-1509						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1AB1510-1575						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1AB1576-1639						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1AB1640-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
3TE1-UP, 9PE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
99C1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

631E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1AB1-855, 1NB1-1389, 3ND1-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1AB856-1445						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1AB1446-1509						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1AB1510-1575						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1AB1510-1575 (Continued)						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1AB1576-1639						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1AB1640-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014

(Continued)

631E II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1AB1640-UP (Continued)						
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-6636	--	9T-6636	126-1816	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1NB1390-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	129-0373	129-0373	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1NB1390-UP (Continued)						
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
3TE1-UP, 8TA1-UP, 9PE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
77M1-UP (Engine)						
Coolant	1	9N-3718	9N-3718	--	--	--
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
99C1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

631G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XD1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
9PE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
AWK1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
AWK1-UP (Continued)						
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
CLR1-UP						
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - UHE	1	126-1814	--	--	126-1814	--

(Continued)

631G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CLR1-UP (Continued)						
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
DFA1-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - UHE	1	126-1814	--	--	126-1814	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DFA1-UP (Continued)						
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
MWK1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
RHX1-UP (Engine)						
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

633D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1VA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
25W1-524						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
25W525-546						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
25W547-578, 25W703-UP						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
25W547-578, 25W703-UP (Continued)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
25W579-702						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
48W3287-19874 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
48W19875-UP, 99C7615-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
5XD1-4017 (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

(Continued)

633D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XD4018-UP (Engine)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
LHX4254-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

633E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2PS1-295						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2PS296-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
99C1-5343, 99C7560-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
9PE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

637D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

637D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
03N97021-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
08Z7808-23720 (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z23721-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1MA1-UP, 1NA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
1PA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
20W1-480, 21W1-UP, 22W1-930, 23W1-881 (Scraper)						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
20W481-UP, 22W931-UP, 23W882-UP, 4JB1-UP, 70W1-UP (Scraper)						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
26W1-391, 27W1-694						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
26W392-395, 27W695-731						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
26W396-407, 27W732-826						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
26W408-UP, 27W827-UP						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
48W3287-19874, 4ZF1-17927 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
48W19875-UP, 99C7615-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
4ZF17928-UP, THX10860-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
5XD1-4017 (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
5XD4018-UP (Engine)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

(Continued)

637D (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
71W1-UP (Scraper)						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
LHX4254-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

637E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z27183-63864 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z63865-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1FB1-354, 1FB571-633						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1FB355-570						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FB355-570 (Continued)						
Air Secondary	1	106-3973	106-3973	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1FB634-659						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

(Continued)

637E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FB660-680						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1FB681-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1HB1-400, 1HB402-403, 1HB405-405, 1HB407-407, 1HB410-410, 1LB1-637, 1LB640-640, 7CB1-82 (Scraper)						
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	8N-6883	8N-6883	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HB401-401, 1HB404-404, 1HB406-406, 1HB408-409, 1HB411-566, 1LB641-UP, 7CB83-93 (Scraper)						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
1HB567-682, 7CB94-168 (Scraper)						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
1HB683-UP, 7CB169-UP (Scraper)						
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
1JB1-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1LB638-639 (Scraper)						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
3HB1-UP, 3KB1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
3TE1-UP, 8TA1-UP, 9PE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

(Continued)

637E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
99C1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
RHX4513-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
THX8773-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

637E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
08Z27183-63864 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
08Z63865-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
1FB1-354, 1FB571-633						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Secondary	1	106-3973	106-3973	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1FB355-570						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	6N-6444	6N-6444	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FB355-570 (Continued)						
Air Secondary	1	106-3973	106-3973	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1FB634-659						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

(Continued)

637E II (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1FB660-680						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1FB681-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
1HB1-400, 1HB402-403, 1HB405-405, 1HB407-407, 1HB410-410, 7CB1-82 (Scraper)						
Air Primary	1	7W-5316	7W-5316	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	8N-6883	8N-6883	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
1HB401-401, 1HB404-404, 1HB406-406, 1HB408-409, 1HB411-566, 7CB83-93 (Scraper)						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
1HB567-682, 7CB94-168 (Scraper)						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary	1	6N-6444	6N-6444	--	--	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
1HB683-UP, 7CB169-UP (Scraper)						
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Second-ary- Axial Seal	1	6I-0274	6I-0274	--	--	--
Air Second-ary- Axial Seal	1	6I-2508	6I-2508	--	--	--
3HB1-UP, 3KB1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
6NC1-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Second-ary	1	1R-1712	1R-1712	--	--	--
Fuel Second-ary - ADV	1	1R-0750	--	1R-0750	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
99C1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Second-ary - ADV	1	1R-0749	--	1R-0749	--	--
9PE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131

[1] Please see the Filter Upgrade information at the end of this section for additional details.

637G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
3KB1-UP, CWE1-UP, MWK1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
4ZF2708-12425, 4ZF24444-UP (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
4ZF12426-24443 (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
5XD1-UP (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
6NC17840-UP (Engine)						
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
9PE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
AWE1-UP, AYN1-UP (Scraper)						
Air Primary-Radial Seal	1	6I-2507	6I-2507	--	132-7166	--
Air Secondary- Axial Seal	1	6I-2508	6I-2508	--	--	--
AXT1-UP						
Air - Cab	1	8C-9657	8C-9657	--	--	--
Air - Cab	1	3E-7319	3E-7319	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
CEH1-UP						
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
CEJ1-UP, CEM1-UP, DEX1-UP, DEY1-UP (Scraper)						
Air Primary-Radial Seal	1	6I-0273	6I-0273	--	122-1674	--
Air Secondary- Axial Seal	1	6I-0274	6I-0274	--	--	--
DFJ1-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0732	1R-0732	1R-0792	167-2009	4T-3133
RHX1-UP (Engine)						
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

(Continued)

637G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
THX1-131 (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
THX132-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
THX132-UP (Engine) (Continued)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

639D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
03N97021-UP (Engine)						
Engine Oil	1	1R-0739	1R-0739	1R-1807	257-9344	--
08Z7808-21389 (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
08Z21390-UP (Engine)						
Engine Oil - ADV	1	1R-1807	--	1R-1807	257-9344	--
Fuel Secondary - ADV	1	1R-0750	--	1R-0750	--	--
2AA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
48W8989-19874 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
48W19875-UP, 99C7615-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XD1-4017 (Engine)						
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
5XD4018-UP (Engine)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
99X1-UP						
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

651B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

651B (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
67K1-360						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
67K361-UP						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
80M1854-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
BNT2500-10128 (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BNT10129-UP, LHX4642-4940 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
LHX4941-5010 (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
LHX5011-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

651E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4VA1-UP, BJR555-UP (Transmission)						
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
4YR1-214						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
4YR215-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air - Charcoal	3	141-7903	141-7903	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132

(Continued)

651E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5XR1-UP (Scraper)						
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
73W3857-UP, 80M450-UP, BET12000-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
89Z1-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Re-circulation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132

[1] Please see the Filter Upgrade information at the end of this section for additional details.

657B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2BA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
47M1-UP, 53K1-UP (Scraper)						
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
68K664-UP						
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
BET11036-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
BNT2520-10128 (Engine)						
Engine Oil	1	1R-0716	1R-0716	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
BNT10129-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

657E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

(Continued)

657E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
2ME1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
48W15036-20403 (Engine)						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
48W20404-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
4VA1-UP, BJR555-UP (Transmission)						
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
4YA1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
5YR1-303						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
5YR304-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air - Charcoal	3	141-7903	141-7903	--	--	--

(Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
5YR304-UP (Continued)						
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
6MB1-69 (Scraper)						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
6MB70-167 (Scraper)						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
6MB168-UP (Scraper)						
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
6PR1-108, 7KR216-286 (Scraper)						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	2	3G-4621	3G-4621	--	--	--

657E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6PR1-108, 7KR216-286 (Scraper) (Continued)						
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
6PR109-UP, 7KR287-UP (Scraper)						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
6TR1-200						
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
6TR1-200 (Continued)						
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
6TR201-226						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
6TR227-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab A/C	1	7G-6599	7G-6599	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air - Charcoal	3	141-7903	141-7903	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	106-3973	106-3973	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--

(Continued)

657E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
6TR227-UP (Continued)						
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
73W3857-UP, 80M1-UP, 99C1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
7KR1-215 (Scraper)						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
86Z1-88 (Scraper)						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
86Z89-125, 86Z140-141, 86Z144-147, 86Z149-149 (Scraper)						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
86Z126-139, 86Z142-143, 86Z148-148, 86Z150-457 (Scraper)						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
86Z458-UP (Scraper)						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Primary-Radial Seal	1	6I-2505	6I-2505	--	122-1675	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary- Axial Seal	1	6I-2506	6I-2506	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
87Z1-187 (Scraper)						
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Primary	1	8N-5313	8N-5313	--	--	--

(Continued)

657E (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
87Z1-187 (Scraper) (Continued)						
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
87Z188-UP (Scraper)						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Primary	1	8N-5313	8N-5313	--	--	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
90Z1-UP, 91Z1-UP						
Air - Cab	3	7G-8116	7G-8116	--	--	--
Air - Cab Recirculation	1	6T-9504	6T-9504	--	--	--
Air Primary	1	7W-5313	7W-5313	--	--	--
Air Secondary	1	1P-8482	1P-8482	--	--	--
Coolant	1	9N-6123	9N-6123	--	--	--
Coolant	1	1W-5518	1W-5518	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
90Z1-UP, 91Z1-UP (Continued)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Fuel - FWS	1	133-5673	133-5673	--	--	--
Fuel Primary	1	129-0372	129-0372	--	--	--
Fuel Secondary - ADV	1	1R-0749	--	1R-0749	--	--
Hydraulic	2	3G-4621	3G-4621	--	--	--
Hydraulic - Cartridge	2	1R-0741	1R-0741	1R-0778	132-8876	4T-3132
LHX1-UP (Engine)						
Engine Oil - ADV	1	1R-1808	--	1R-1808	244-4484	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
RHX1-UP (Engine)						
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	1	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

657G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
A4G1-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic	1	9T-0973	--	9T-0973	126-1817	134-3014
Hydraulic - ADV	1	108-1153	--	108-1153	126-1817	134-3014
Hydraulic	4	249-2337	249-2337	--	--	--
Hydraulic - UHE	1	126-1814	--	--	126-1814	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
DRM1-UP, LMH1-UP (Transmission)						
Hydraulic - ADV	1	1R-0778	--	1R-0778	132-8876	4T-3132
GER1-UP, W1E1-UP, W1F1-UP (Scraper)						
Air Primary	1	6I-2509	6I-2509	--	132-7167	--
Air Secondary	1	6I-2510	6I-2510	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
LHX1-UP (Engine)						
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--

(Continued)

657G (Continued)

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
PGE1-UP (Transmission)						
Hydraulic - ADV	1	1R-0773	--	1R-0773	132-8875	4T-3131
RHX1-UP (Engine)						
Oil - ADV	2	249-2347	--	249-2347	--	--
Fuel - FWS ADV	--	326-1642	--	326-1642	--	--
Fuel - FWS ADV	1	326-1644	--	326-1644	--	--
Fuel Secondary - ADV	1	1R-0755	--	1R-0755	--	--
Fuel Secondary - ADV	1	1R-0762	--	1R-0762	--	--
W1B1-UP						
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--

Description	Qty.	Part Number	STND	ADV[1]	UHE[1]	Fire Res.[1]
W1B1-UP (Continued)						
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic	4	249-2337	249-2337	--	--	--
Hydraulic - UHE	1	126-1814	--	--	126-1814	--
W1C1-UP						
Air - Cab	1	268-6704	268-6704	--	--	--
Air - Cab	1	174-8145	174-8145	--	--	--
Air - Cab	1	259-3222	259-3222	--	--	--
Air - Cab A/C	1	119-3355	119-3355	--	--	--
Air Primary	1	106-3969	106-3969	--	132-7168	--
Air Secondary	1	106-3973	106-3973	--	--	--
Fuel - FWS ADV	1	326-1643	--	326-1643	--	--
Hydraulic	4	249-2337	249-2337	--	--	--
Hydraulic - UHE	1	126-1814	--	--	126-1814	--

[1] Please see the Filter Upgrade information at the end of this section for additional details.

Cat® Filters…Engineered protection for every application

- Genuine parts optimized for Cat Equipment.
- Manufactured worldwide to Caterpillar specifications for global quality assurance.
- Complete line of products and services to meet your business needs.



Cat Standard Efficiency Fluid Filters — Engine Oil

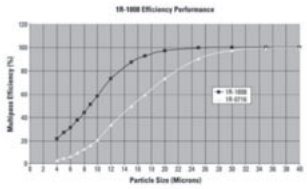


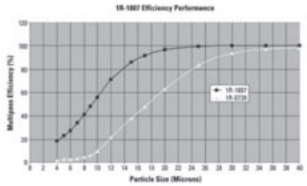
- Features standard elements for normal duty filtration.
- Designed to maintain system cleanliness.
- Removes contaminants before the lube oil reaches critical components.
- Available for most Cat equipment models.

Cat Advanced Efficiency Fluid Filters — Engine Oil

Cat Advanced Efficiency Engine Oil Filters provide increased contamination control over Standard Efficiency Filters, without requiring a shortened change interval. And, they are more economically priced than Ultra High Efficiency filters.

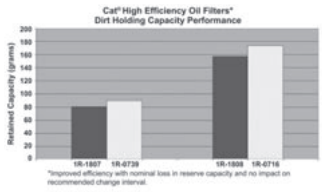
Improved Filtering Media





Cat Advanced Efficiency Oil Filters contain an improved filtering media which captures more contaminants, reducing wear on critical oil-lubricated engine components. This results in extended life and improved performance. The graphs below illustrate the efficiency of the 1R-1807 and 1R-1808 filters as compared to their Standard Efficiency Counterparts.

Reserve dirt-holding capacity



Although higher-efficiency filters accumulate dirt more quickly than Standard Efficiency filters, Cat Advanced Efficiency Engine Oil filters do not require a shortened change interval. They feature a reserve dirt-holding capacity, which compensates for the majority of dirt accumulation increase, letting customers maintain standard oil change intervals. The relative dirt-holding capacity of Advanced and Standard Efficiency filters are illustrated in the graph.

Cat Standard Efficiency Fluid Filter — Fuel

- Features standard elements for normal duty filtration.
- Designed to maintain system cleanliness.
- Removes contaminants before the fuel reaches critical components.
- Available for most Cat equipment models.

Cat Advanced High Efficiency Fluid Filter — Fuel



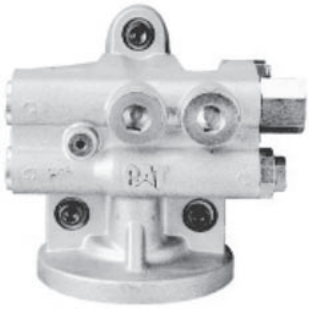
- Engineered for maximum protection, performance and fuel economy.
- Removes more contaminants, maximizing protection of injectors, pumps and other critical engine components.
- Best choice to meet today's fuel contamination challenges, especially in applications with dirty fuel.
- Engineered for today's diesel engines with higher injection pressures and closer tolerances.
- High efficiency cellulose/synthetic blend filtration removes more than 98% of particles 4 microns or larger.

TECHNOLOGY FEATURES	BENEFITS	RESULTS
One-piece aluminum base plate	Added reinforcing to prevent ruptures due to cold starts	Protects against leaks and the introduction of contaminants for longer component life
One-piece urethane end caps	Tighter bond with filter media	Eliminates gaps, keeping contaminants out of the engine for added protection, eliminates leak paths
Spiral roving and acrylic beads	Maintains pleat stability and spacing to eliminate bunching; holds dirt in environments with vibration.	Maximum efficiency and capacity; better protection and longer life engine
Non-metallic center tube to prevent collapsing during pressure spikes and cold oil start-ups	30% stronger than metal	Eliminates scored bearings and damage to other critical engine components
Resin-impregnated filter media	Custom blended media	Maximizes performance and life
One-piece, heavy gauge canister	Provides structural strength and anti-rupture protection	Durability and structural integrity supports extended intervals
Full range of media options	Engineered to meet specific operating conditions, equipment requirements and economical considerations	Filtration matched to your performance needs

Cat PrimeTime Priming Pumps

Cat PrimeTime Priming Pumps are easily installed on the frame or engine as retrofits. They prime the filter and fuel system with a flip of the switch.

- No need to pre-fill filter and risk debris reaching injectors
- Primes fuel filter in two to six minutes
- No time-consuming, difficult manual pumping



Cat Fuel Water Separators



- Removes more than 98% of debris 10 microns and larger - and eliminates virtually all free water and more than 87% emulsified water.
- Minimize the risk of plunger-to-barrel scuffing and seizure in fuel injectors, reducing failure rates.
- Extends the life of engine fuel injectors and the secondary, high efficiency fuel filter.

FEATURES	BENEFITS	RESULTS
Thicker gauge canister	Resist canister cracking and failure in extensive field testing	Longer life and increased protection
Primary fuel filter	Removes more than 98% of debris 10 microns and larger	Minimize the risk of plunger-to-barrel scuffing and seizure in fuel injectors, reducing failure rates
Water separator	Removes virtually all free water and more than 87% of emulsified water from diesel fuel	Extend the life of engine fuel injectors and the secondary, high efficiency fuel filter
Manual screw knob	Drains the collection bowl in less than a minute	Reduces maintenance and downtime
Reusable water collection bowl	Transparent for easy monitoring	Reduces maintenance costs

Cat Fuel Water Separators — Retrofits

ENGINE	PRIME TIME FULL FLOW CONFIGURATION	PRIME TIME PRIME ONLY CONFIGURATION	BASIC CONFIGURATION
Small Engines C12 and smaller	Kit 206-5756	N/A	Base 195-1068 with 326-1642 (axial seal) FWS or Base 177-9778 with 326-1644 (radial seal) FWS
Medium Engines C15-C16, 3408-3412	Kit 206-5756 The 326-1644, included in the kit, can be replaced with the 326-1643 for additional capacity.	N/A	Base 195-1068 with 326-1641 (axial seal) FWS or Base 177-9778 with 326-1643 (radial seal) FWS
Large Engines 3500 series	N/A	Kit 206-5756	(2) 207-2422 groups, each includes a 316-9954 (axial seal) FWS

Cat Standard Efficiency Radial Seal Air Filters



- Features standard elements for normal duty filtration.
- Designed for larger capacity and longer service life.
- Prevents dirt, soot, sand and other contaminants from entering your system.
- Available for all Cat equipment models.

TECHNOLOGY FEATURES	BENEFITS	RESULTS
Radial seal design	No tools required	Service times and maintenance costs minimized
All-steel adapter ring available to retrofit axial seal cleaners	Quickly bolts into position to accept the new filter design	Easily converts older machines
One-piece molded urethane end caps	Forms a tough, reliable, corrosion-proof bond to paper media	Up to 30% more seal contact area; more reliable seal than conventional elements
Densely pleated filter paper	Large media area provides up to 50% more capacity	Superior capacity without impeding airflow
Built-in pleat support and positive pleat spacing	Prevents pleat bunching	Ensures optimum filter media surface area
Heavy-duty metal inner and outer wrap	Increases structural strength and durability	Added protection and longer life
Baked-on enamel outer filter wrap	Resists corrosion	Longer component life

Cat Ultra High Efficiency Radial Seal Air Filters



- Features a unique media with a very fine fiber surface layer that improves filtration efficiency early in the life of the elements.
- Super fast efficiency rate eliminates window of opportunity for sharp abrasive particles to damage engine.
- Sustained low restriction leads to improved filter capacity, engine performance and fuel economy.
- Highly effective in today's engines with tight engine tolerances; maintain low emission and high performance requirements.
- Unique design for applications where extremely fine dust particles make up a high percentage of the contaminants in the atmosphere.
- Ideal for applications that have operating conditions with high amounts of exhaust soot, which tends to plug normal filters at low hours.

TECHNOLOGY FEATURES	BENEFITS	RESULTS
High initial filtration efficiency and high overall efficiency	Less dust reaches the engine	Reduced engine wear
Immediate dust cake build-up on the filter surface	Media at maximum efficiency when new; dust cake builds faster	Reduced engine wear, improved fuel economy and lower maintenance costs
Low initial and overall restriction throughout the life of the filter	Engine breathes easier; less power required to pull in air	Improved fuel economy and better engine performance and power
Super capacity	Filter lasts longer with fewer filter changes	Less chance of contamination during service
Exclusive Cat media	Super capacity, long life, maximum protection	Protect engine, reduce wear of hard sharp particles that can score cylinder

Air Axial Seal Filter to Air Radial Seal Filter Adapter Kit Cross Reference

Axial Seal Type - Standard Primary	Axial Seal Type - Secondary	Optional Radial Seal Retrofit Kits - Axial to radial seal adapter kit	Radial Seal Type - Standary Primary	Radial Seal Type - Standary Primary Radial Seal Type - UHE Primary	Radial Seal Type - Secondary
7W-5389	2S-1285	6I-3828	6I-2499	132-7164	6I-2500
7W-5389	8N-4901	6I-3829	6I-2499	132-7164	6I-2500
7W-5317	2S-1286	6I-3830	6I-2501	128-2686	6I-2502
7W-5317	9S-9972	6I-3831	6I-2501	128-2686	6I-2502
7W-5316	8N-6883	6I-3831	6I-2503	132-7165	6I-2504
7W-5316	2S-1287	6I-3830	6I-2503	132-7165	6I-2504
7W-5495	1P-7360	6I-3832	6I-0273	132-1674	6I-0274
7W-5313	1P-8482	6I-3833	6I-2505	132-1675	6I-2506
7W-5313	6N-6444	6I-3833	6I-2507	132-7166	6I-2508
7W-5216	7N-1308	6I-3833	6I-2509	132-7167	6I-2510
7W-9853	7W-9567	106-7120	106-3969	132-7168	106-3973
4W-5716	6N-6067	106-7120/222-4376	106-3969	132-7168	106-3973
8N-6309	8N-2556		123-6855	132-7169	123-6856
9Y-7662	9Y-7663		131-8822	132-0685	131-8821

Cab Air Filtration Upgrade Options

Not for use in filtering hazardous materials

Odor Reduction Cabin Air Filters

- Caterpillar now offers a selection of charcoal impregnated cabin air filters for use in applications, where odors or airborne irritants are a concern. These filters provide significant odor reduction, but they are not designed to filter hazardous materials.

Compatibility and Fit

- Odor Reduction Cabin Air Filters can be used as direct replacements for standard filters. No modification is necessary, and pressure drop is similar to standard, so there is no adverse effect on air flow, A/C and heat performance, or cabin air pressure. Correct substitutions are indicated in the table below.

Activated-carbon filtering

- Odor Reduction Cabin Air Filters use high-performance activated carbon to quickly absorb odor-causing particles and reduce odors to a comfortable level. A bonded structure holds carbon in place even in high-vibration conditions and prevents carbon dusting. This design also makes the filters easy to install and safe to dispose.

Improved particle removal

- Odor Reduction filters also provide higher particle removal efficiency, both initially and throughout filter life. Fewer particles of soil, dust, pollen, mold spores and other irritants enter the cab, even after sustained use.

High surface dust loading

- By holding more dust on the surface, Odor Reduction Cabin Air Filters provide a number of benefits. They last longer, are easier to clean, protect the A/C core from performance-robbing build-up, and reduce maintenance costs for the HVAC unit.

Cleaning and re-use is recommended for Odor Reduction filters under the following circumstances:

- Airflow restriction is increased
- Filter is not damaged
- Filter has been used less than 12 months
- Odor reduction capabilities are still good
- * To clean the filter, use compressed air at 70 psi or less with a 1/8 inch diameter nozzle at a minimum distance of 2 inches.

Replacement Guidelines

- Replace damaged filters, filters used longer than 12 months or filters that no longer reduce odors.

Retro-Fit Breather Upgrade Options[1]

Function of Breathers

- Breathers are an important part of any professional contamination control strategy. As the volume of liquid changes inside a container (e.g., a hydraulic tank), air must enter and exit the container in order to prevent the container from becoming over-pressurized or in vacuum. Without a breather the exchange of air as it enters and exits tanks introduces air borne contaminants.

Not filtering small air-borne particles results in:

- Pre-mature component replacement
- Lower productivity
- More frequent filter changes

Use of Breathers

- Track-type tractors, stationary engines (industrial, marine, generator sets), motor graders, and Challenger® agriculture tractors are a few product families that have breathers installed on production fuel tanks, hydraulic systems, and gear boxes. Utilizing breathers in order to improve system performance on Caterpillar® production equipment is expanding.
- To improve existing fluid system contamination control, Caterpillar is providing retrofit breathers for field installation on Cat equipment and other manufacturer's equipment.

Advantage of a Breather

- In general, small particles cause abrasive wear on components and larger particles tend to cause sudden breakdowns by clogging pathways or creating interference between components. Usually, a breather is much less expensive than a filter, and its use can increase the service interval for the filter. In systems where air is forced out through the breather, such as in hydraulic or fast fill applications, the dirt is blown out of the element, thereby increasing its life.

Breather Selection

- The level of breather filtration required in a system depends on the application. The more sensitive to contamination the system is, the greater the need for filtration.

General Rule of Thumb

- Efficiency - Higher breather efficiencies will maintain a cleaner system.
- Restriction - If air flow capacity is in question, use the larger breather.
- Location - When choosing the location for the breather, make sure that it is as convenient as possible to inspect and change: good clearance and visual line.

Change intervals:

- Breather change interval can vary widely depending on extremes in operating conditions. As a general rule, change breathers with every fluid change or when breather vent slots appear clogged.

Inspection:

- Include visual inspection of breathers in routine maintenance inspections. If in doubt, change the breather. The cost of a new breather is minimal in comparison to the potential downstream costs of not changing it.

Description	Part Number
0.125 inch NPT Pipe Thread	
Breather	5F-5434
Breather	8M-2665
0.25 inch NPT Pipe Thread	
Breather	124-2831
Breather	183-3873
Breather	4H-6112
Breather	9G-5127
0.375 inch NPT Pipe Thread	
Breather	171-5286
Breather	9G-9981
0.75 inch NPT Pipe Thread	
Breather	7U-7613
Breather	6G-0078

Description	Part Number
1.06 inch NPT Pipe Thread - Breather Vents with Pressure and Vacuum Relief - DO NOT MODIFY, REPLACEMENT PARTS ONLY[2]	
Breather	116-2810
Breather	160-5615
Breather	188-8844
Breather	191-5439
Breather	207-5997
Breather	4T-4145
Breather	9J-4703
Breather	2U-7441
1.06 inch NPT Pipe Thread - Breather Vents with Manual Pressure Relief - DO NOT MODIFY, REPLACEMENT PARTS ONLY[2]	
Breather	157-7911
Breather	154-6165
Breather	220-0812
Breather	220-0813
Breather	220-0814
Breather	9T-0818

(Continued)

Retro-Fit Breather Upgrade Options[1] (Continued)

Description	Part Number
Cartridge/Spin-On Type	
Cleaner - Air	245-7451
Breather	6G-0078
Breather	8X-4575
Breather	9C-4937
Breather	9T-1119
Hydraulic Filter Advanced	077-5232

Description	Part Number
Cartridge/Spin-On Type (Continued)	
Breather	171-5286
Hydraulic Filter Advanced	186-5778
Breather	194-7849
Metric	
Breather	145-0870
Breather	055-1990

[1] Breather Efficiency Micron Rating Guide – Standard efficiency: > 50 µm absolute
Advanced efficiency: 10 – 50 µm absolute
[2] Warning! For breather vents with manual or automatic pressure/vacuum relief, do not modify relief setting! These are replacement parts only, and must not be interchanged with parts that have different pressure/vacuum relief settings. Original pressure/vacuum relief setting must be retained in order to prevent pump and/orseal damage.

Choosing the Correct Cat Hydraulic Filter

The Cat Hydraulic Filter line now includes Standard, Advanced Efficiency and Ultra High Efficiency (UHE) filters, providing our customers the best selection and the best engineered protection available anywhere.

Selection Guidelines

In order to choose the right filter for your machine, always begin by consulting the maintenance manual for proper change interval and recommended filter part numbers. It is usually safe to substitute a higher-efficiency filter, but NEVER substitute a lower-efficiency filter than the one recommended.

If your transmission or hydraulic system has a filter bypass dash indicator and a Standard filter is recommended, you can use an Advanced Efficiency or UHE. If you do not have a bypass indicator, consult your Cat Dealer before upgrading.

Hydraulic and Transmission Filters



Cat Standard Efficiency Hydraulic and Transmission Filters

- Features standard elements for normal duty filtration.
- Designed to maintain system cleanliness.
- Available for most Cat equipment models.

Cat Advanced High Efficiency Hydraulic and Transmission Filters

- Special media provides advanced protection against contaminant introduction during maintenance and repair.
- Engineered for effective contamination control.
- Protects hydraulic and drive train systems against accelerated wear.

Cat Ultra High Efficiency Hydraulic and Transmission Filters

- Super-fine synthetic media removes a higher proportion of very small particles and an even higher proportion of larger particles.
- Specially engineered to aid in optimum contamination control efforts.
- Increases system efficiency, eliminate system failures and extend oil life.
- Reduces exposure of abrasives to critical components - extending component wear life.
- Use to clean up systems following repairs and rebuilds.

Hydraulic and Transmission Filter Options

Selection Guidelines

- In order to choose the right filter for your machine, always begin by consulting the maintenance manual for proper fit and installation.

Upgrade Procedure and Intervals

- Higher efficiency filters can clog sooner because they trap smaller particles which standard filters do not.

Filter Upgrade Options - Hydraulic/Transmission

Filter Type	Standard Efficiency	Advanced Efficieny	Ultra High Efficieny	Fire Resistant (UHE)	Notes
Hydraulic/Transmission					
	4I-3948	184-3931	126-1813		
	090-2900	144-6691	126-1815	121-9868	
	094-3229		139-1539		
	094-4412		139-1540		
	9U-6985	9U-5870	9U-6983	198-3188	9U-5870 higher efficiency than 9U-6984
	9U-6985	9U-6984	9U-6983	198-3188	9U-6984 more capacity than 9U-5870
	123-8999		117-9900		
	1R-0719	1R-0773	132-8875	4T-3131	1R-0773... hydraulic applications only
	1R-0719	343-4464	132-8875	4T-3131	343-4464... transmission applications only
	1R-0728		139-1532	4T-3130	
	1R-0735	1R-0777	139-1537	104-6931	
	1R-0741	1R-0778	132-8876	4T-3132	1R-0778... hydraulic applications only
	1R-0741	343-4465	132-8876	4T-3132	343-4465... transmission applications only
	1R-0746		126-1810		
	1R-0726		284-9054		
	1R-0722	1R-0774	139-1536	4T-2134	
		4T-6788	223-7809		
		9T-8578	144-0832		
		9T-6636	126-1816		
		119-4740	211-1026		
	126-2081	179-9806	126-2131		179-9806 lower efficiency than 342-1823
	126-2081	342-1823	126-2131		342-1823 higher efficiency than 179-9806
	1R-0732	1R-0792	167-2009	4T-3133	
		201-0875	223-7810		
		1G-8878	102-2828	156-0214	1G-8878... hydraulic applications only
		341-6643	102-2828	156-214	341-6643... transmission applications only

Filter Upgrade Options - Hydraulic/Transmission (Continued)

Filter Type	Standard Efficiency	Advanced Efficieny	Ultra High Efficieny	Fire Resistant (UHE)	Notes
Hydraulic/Transmission					
	9T-9054		9T-7656		
		130-3212	126-1814		130-3212 higher efficiency & capacity than 185-0337
		185-0337	126-1814		185-0337 lower efficiency & capacity than 130-3212
		4I-3950	126-1814		4I-3950 lower efficiency than 185-0337
		109-7287	132-7249		
		134-0964	4C-6860		
	185-1379		185-1278		
		108-1153	126-1817	134-3014	108-1153 higher efficiency & capacity than 9T-0973
		9T-0973	126-1817	134-3014	9T-0973 lower efficiency & capacity than 108-1153
		6E-6408	126-1818		
		152-6902	207-5035		
	185-1375	192-1560			
		198-7397	139-1533		
		328-3655	338-3540		328-3655... transmission applications only

Filter Upgrade Options - Engine Lube Oil

Filter Type	Standard Efficiency	Advanced Efficieny	Ultra High Efficieny	Fire Resistant (UHE)	Notes
Engine Lub Oil					
	1R-0726	276-5403	284-9054		
	1R-0739	1R-1807	257-9344		
	1R-0716	1R-1808	244-4484		1R-0716 / 1R-1808... not for use on 3500 Engines
	272-1788	275-2604	244-4484		272-1788 / 275-2604... used on 3500 Engines
	179-1502	249-2340	354-1560		

Filter Upgrade Options - Fuel & Fuel Water Separators

Filter Type	Standard Efficiency	Advanced Efficieny	Ultra High Efficieny	Fire Resistant (UHE)	Notes
Fuel					
	1R-1740	1R-0750			
	121-9868	1R-0751	306-9199		306-9199 less capacity than 364-5287
	121-9868	1R-0751	364-5287		364-5287 more capacity than 306-9199
	1R-1712	1R-0749			
	1R-1725	1R-0766			
Fuel Water Separators					
		326-1643	364-5286		

Filter Upgrade Options - Air - Engine

Filter Type	Standard Efficiency	Advanced Efficieny	Ultra High Efficieny	Fire Resistant (UHE)	Notes
Air - Engine					
	6I-2499		132-7164		
	6I-2501		128-2686		
	6I-2503		132-7165		
	6I-0273		122-1674		
	6I-2505		122-1675		
	6I-2507		132-7166		
	6I-2509		132-7167		
	106-3969		132-7168		
	123-6855		132-7169		
	131-8822		134-0685		
	142-1339		220-0453		
	142-1340		220-1454		
	165-1689		220-0455		
	267-3005		267-3004		
	277-7838		277-7837		
	4W-5716		132-7170		
	4W-5228		132-7171		
	8N-6309		185-8786		
	251-5885		292-5862		
	251-5886		292-5863		

Filter Upgrade Options - Air - Cabin

Filter Type	Standard Efficiency	Advanced Efficieny	Ultra High Efficieny	Fire Resistant (UHE)	Notes
Air - Cabin					
	105-4968		139-3204		Dust & Odor Reduction
	107-0266		175-2841		Dust Reduction
	107-0266		282-5339		Dust & Odor Reduction
	112-7448		175-2838		Dust & Odor Reduction
	113-0305		196-3161		Dust & Odor Reduction
	116-5796		142-7069		Dust & Odor Reduction
	119-3355		233-8359		Dust & Odor Reduction
	119-3355		268-6704		Lower Restriction
	149-1912		220-8800		Dust & Odor Reduction
	180-7487		282-5340		Dust & Odor Reduction
	209-8217		307-4442		Dust & Odor Reduction
	209-8217		268-6705		Lower Restriction
	209-8217		318-7190		Dust Reduction
	238-0479		319-7944		Dust Reduction
	238-0479		291-3928		Dust & Odor Reduction
	259-3222		266-7765		Lower Restriction
	2V-0036		175-2837		Dust & Odor Reduction
	6t-0988		175-2837		Dust & Odor Reduction
	7G-8116		141-7903		Dust & Odor Reduction
	7T-1889		175-2836		Dust & Odor Reduction
	7T-1890		175-2839		Dust Reduction
	7T-1890		175-2832		Dust & Odor Reduction
	7X-6012		200-8460		Dust & Odor Reduction
	7X-6041		175-2834		Dust & Odor Reduction
	8P-5343		175-2834		Dust & Odor Reduction
	9G-1518		175-2833		Dust & Odor Reduction
	9W-3639		3E-7904		Dust & Odor Reduction
	9X-8216		175-2840		Dust Reduction

Health and Safety

Under normal conditions of intended use, these products do not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, visit us on the web at www.catmsds.com.

Cat® DEO™



Recommended Use

- Low-emission diesel engines including Cat® engines with ACERT® Technology.
- Heavy-duty diesel engines made by other manufacturers that recommend API CI-4 and CH-4. See “Typical Characteristics” for more information.
- Automotive gasoline engines that require API SL or SJ category oils. See “Typical Characteristics” for more information.
- Cat earthmoving, commercial, marine and on-highway truck diesel engines, excluding 3600, C280, 3126 and 3116 MUI Marine and MaK diesel engines. The 3116 and 3126 MUI Marine diesel engines with closed crankcase ventilation systems should use Cat SAEO™.

Discover the Difference

- Cat DEO is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Factory-Fill - Used as standard factory-fill for Cat machines.
- Increased Engine Life - Resists oxidation and prevents build-up of deposits on pistons and rings.
- Extended Drain Intervals - Extends oil drain intervals while providing excellent engine protection and performance when used in conjunction with our S•O•S™ Services oil analysis program.
- Proven Performance - Tested thoroughly in Cat diesel engines including Cat engines with ACERT Technology to ensure excellent engine life and performance.
- Long-Lasting Protection - Improved soot control and enhanced shear stability enable oil to maintain proper viscosity for longer operating periods in Cat engines with ACERT Technology, especially those equipped with HEUI systems.

(Continued)

Cat® DEO™ (Continued)

Typical Characteristics {A}							
Location	Worldwide		Canada, Mexico and United States		Brazil		Egypt and Saudi Arabia
SAE Viscosity Grade	SAE 15W-40	SAE 10W-30	SAE 15W-40	SAE 10W-30	SAE 15W-40	SAE 10W-30	SAE 15W-40
API Service Classifications - Diesel	CI-4, CH-4	CI-4, CH-4	CI-4 PLUS, CI-4, CH-4	CI-4, CH-4	CI-4, CH-4	CI-4, CH-4	CI-4, CH-4
API Service Classifications - Gasoline	SL	SL	SL	SL	SL	SL	SJ
ACEA Classifications	E5/B3/A2				E5		
Caterpillar Performance Level	ECF-2	ECF-2	ECF-2	ECF-2	ECF-2	ECF-2	ECF-2
Volvo Performance Level	VDS-3	VDS-2	VDS-3	VDS-3	VDS-3	VDS-2	
MB Performance Level	MB228.3				MB228.3		
DDC Performance Level							
Cummins Performance Level	CES 20071/72/76/77	CES 20071/76	CES 20071/76	CES 20071/76/78	CES 20071/72/76/77	CES 20071/76	CES 20071/72/76/77
Mack Performance Level	EO-M Plus	EO-M Plus, EO-M	EO-NPP, EO-M	EO-M Plus, EO-M	EO-M Plus	EO-M Plus	EO-M Plus
MAN Performance Level	M3275				3275		
RVI Performance Level	RLD				RLD		
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.							

(Continued)

Cat® DEO™ (Continued)

Location	Worldwide		Canada, Mexico, and United States		Brazil		Egypt and Saudi Arabia
Allison Performance Level					C4		
Flash Point, °C (ASTM D92)	230	222	224	220	220	222	240
Pour Point, °C (ASTM D97)	-30	-36	-30	-33	-33	-36	-33
SAE Viscosity Grade	SAE 15W-40	SAE 10W-30	SAE 15W-40	SAE 10W-30	SAE 15W-40	SAE 10W-30	SAE 15W-40
Viscosity cSt @ 40°C (ASTM D445)	103	76	120.5	76	105	75	105
Viscosity cSt @ 100°C (ASTM D445)	14.2	11.5	15.5	11.5	14.4	11.2	14.0
Viscosity Index (ASTM D2270)	135	144	135	145	141	142	135
Sulfated Ash, % wt. (ASTM D874)	1.3	1.3	1.3	1.3	1.1	1.1	1.2
TBN (ASTM D2896)	11.3	10.4	10.4	10.4	10.6	10.6	10.3
Zinc, % wt. (ASTM D4951)	0.146	0.146	0.146	0.146	0.133	0.133	0.123
Gravity @ 16°C API (ASTM D287)	29.3	31.3	30	31.7	28.9	31.5	29
Gravity @ 16°C Specific	0.88	0.87	0.88	0.87	0.88	0.87	0.88

English Volume (gal)	Metric Volume (L)	Qty	Part Number[1]
SAE10W-30			
5	--	--	3E-9709
55	--	--	3E-9708
Bulk	--	--	155-6198
--	5	--	335-9830
--	18	--	283-1709
--	20	--	3E-9844
--	200	--	130-7055
--	208	--	3E-9707
--	1,000	--	148-3539
--	1,004	--	5P-2586
SAE 15W-40			
0.250 (1 Qt.)	--	4	3E-9715
1	--	--	248-7518
5	--	--	3E-9713
55	--	--	3E-9712
Bulk	--	--	155-6199

English Volume (gal)	Metric Volume (L)	Qty	Part Number[1]
SAE 15W-40 (Continued)			
--	1	--	123-4077
--	4	--	3E-9902
--	5	--	3E-9901
--	18	--	3E-9900
--	19	--	3E-9849
--	20	--	3E-9848
--	60	--	121-4038
--	200	--	3E-9842
--	205	--	3E-9841
--	208	--	3E-9840
--	1,000	--	3E-9838
--	1,040	--	201-0775
--	2,000	--	120-5285
--	10,000	--	119-5131
--	10,004	--	8T-9548

[1] Part numbers are not available in all regions. See your Cat dealer for part numbers appropriate for your region.

Cat® DEO™ Monograde

For Cat 3600 Series Diesel Engines

Recommended Use

- Cat DEO Monograde is the only oil approved by Caterpillar for use in the 3600 series diesel engines operating on distillate diesel fuels.
- Cat DEO Monograde is recommended for older Cat engines equipped with precombustion fuel injection systems that permit the use of American Petroleum Institute CD or CF oil.
- Cat DEO Monograde can be used with low-sulfur diesel fuel and protects Cat engines operating on higher sulfur diesel fuels (3600 series engines operating on fuel containing up to 1.30% sulfur, and precombustion engines operating on fuel containing up to 0.065% sulfur fuel.)

Discover the Difference

- Cat DEO Monograde is developed, tested and approved by Caterpillar to meet the same high standards as all Genuine Cat Parts.
- Factory-Fill - Used as standard factory-fill for Cat 3600 series diesel engines.
- Increased Engine Life - Resists oxidation and prevents build-up of deposits on pistons and rings.
- Extended Drain Intervals - Extends oil drain intervals while providing excellent engine protection and performance when used in conjunction with our S•O•S™ Services oil analysis program.
- Proven Performance - Tested in Cat 3600 series diesel engines worldwide.

Typical Characteristics {A}	
SAE Viscosity Grade	SAE 40 {B}
API Service Classification	CF {C}
CCMC	D3
Caterpillar Performance Level (engine)	1M-PC
Allison Performance Level (transmission)	C-3
Flash Point, °C (ASTM D92)	234
Pour Point, °C (ASTM D97)	-33
Viscosity cSt @ 40°C (ASTM D445)	133
Viscosity cSt @ 100°C (ASTM D445)	13.8
Viscosity Index (ASTM D2270)	100
Sulfated Ash, % wt. (ASTM D874)	1.9
TBN (ASTM D2896)	13.0
Zinc, % wt. (ASTM D4951)	0.12
Gravity @ 16°C API (ASTM D287)	26.2
Phosphorus, % wt. (ASTM D1091)	0.11
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	
{B} Passes FZG DIN 51354-2 A/8, 3/90 FLS 12.	
{C} Can be used in applications where the obsolete API CD classification oil is recommended.	

English Volume (gal)	Metric Volume (L)	Part Number
SAE 40		
0.250 (1 Qt.)	--	8C-3707
1	--	8C-3706
5	--	8C-3705
55	--	8C-3704
Bulk	--	155-6202
--	18	9X-2004
--	19	9X-8529

English Volume (gal)	Metric Volume (L)	Part Number
SAE 40 (Continued)		
--	20	7X-7843
--	200	9X-8528
--	205	7X-7842
--	1,000	9X-6272
--	1,200	203-1044
--	2,000	119-5134
--	10,000	119-5133
--	10,004	8C-3703

Cat® DEO-ULS™ Cold Weather



Best Performance and Protection for Cold Weather Applications

Cat® DEO-ULS™ Cold Weather is a synthetic diesel engine oil designed with an extremely stable formula tailored to provide long-lasting engine protection over a wide temperature range, -40°F (-40°C) to 104°F (40°C). The backwards compatibility of Cat DEO-ULS Cold Weather makes it well suited for mixed fleets of new and old machines. When used in engines equipped with emissions reduction technologies, Cat DEO-ULS Cold Weather delivers the full life and performance of aftertreatment components. Cat DEO-ULS Cold Weather exceeds the performance requirements of Cat ECF-3 (Engine Crankcase Fluid Specification) and the API CJ-4 and API SM categories.

Cat DEO-ULS Cold Weather takes the trouble out of starting your engine when temperatures are very low. The special formulation flows readily at low temperatures, reducing startup wear and improving fuel economy in some applications. The outstanding thermal stability and oxidation resistance of Cat DEO-ULS Cold Weather keeps engine components cleaner, further reducing wear. In testing, Cat DEO-ULS Cold Weather was shown to reduce piston deposits by more than 30% and to have more than 80% better viscosity control than ECF-3 standards. These results demonstrate that Cat DEO-ULS Cold Weather will help lower your owning and operating costs through fewer oil changes and repairs.

Benefits

- Easier Engine Starts - Excellent low temperature performance eliminates hard starts
- Reduced Engine Wear - Improved detergents keep engine components cleaner
- Minimized Deposits - Reduced oxidation breakdown and thermal degradation improves stability which minimizes the formation of deposits, sludge and varnish
- Full Component Life - Specially designed additives deliver superior engine protection while supporting consistent emissions performance and extending the life of after treatment system components
- Extended Drain Intervals - When regular S•O•S™ Oil Analysis is utilized, long oil life is possible

Applications

Cat DEO-ULS Cold Weather is the preferred diesel engine oil for low temperature applications.[1] Cat DEO-ULS Cold Weather supports consistent emissions performance in engines equipped with aftertreatment devices designed to meet:[2]

- 2007 / 2010 On-Highway exhaust emissions standards (US)
- Tier 4 (US)
- Stage IIIB/IV (EU)
- Step 4 (Japan)

Cat DEO-ULS is an excellent choice for mixed fleets because it can be used in heavy-duty diesel engines built by manufacturers that recommend API CJ-4, CI-4 PLUS/CI-4 or CH-4 classification oil as well as automotive gasoline engines that recommend API SM classification oil.

(Continued)

Cat® DEO-ULS™ Cold Weather (Continued)

Typical Characteristics {A}	
SAE Viscosity Grade	0W-40
API Service Classification	Diesel: CJ-4, CI-4 PLUS/CI-4, CH-4; Gasoline: SM
OEM Performance	Cat ECF-3, Cummins CES 20081, Mack EO-N PP '03
Viscosity cST @ 40°C (ASTM D445)	87
Viscosity cST @ 100°C (ASTM D445)	15.2
Viscosity Index (ASTM 2270)	186
Phosphorous, %wt. (ATM D4951)	0.111
Sulfated Ash, %wt. (ASTM D874)	0.99
Sulfur, %wt. (ASTM D2622)	0.4
TBN (ASTM D2896)	7.8
Zinc, %wt. (ASTM D4951)	0.121
Gravity @ 16°C API (ASTM D287)	36.2
Specific Gravity @ 16°C	0.844
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Part Number
SAE 0W-40		
--	5	347-8468
--	20	347-8469
--	205	347-8470
--	Bulk	347-8471

English Volume (gal)	Metric Volume (L)	Part Number
SAE 0W-40 (Continued)		
1	--	347-8472
5	--	347-8473
55	--	347-8474
--	4	361-0922
--	4	361-0923

[1] Oil recommendations for 3116 and 3126 MUI Marine and MaK diesel engines can be found in the Operations & Maintenance Manual (OMM).
[2] Aftertreatment devices can include Diesel Particulate Filters (DPF), Diesel Oxidation Catalyst (DOC), Selective Catalytic Reduction (SCR) and/or Lean NOx Trap (LNT).

Cat® DEO-ULS™

(For the United States, Canada, and Mexico only)



Recommended Use

- Cat DEO-ULS exceeds the performance requirements of Cat ECF-3 (Engine Crankcase Fluid Specification) and API CJ-4.
- Preferred for all 2007 on-highway and non-road Tier 4 U.S. EPA engines equipped with after treatment systems using 15-ppm sulfur fuel.
- May also be used with engines not equipped with aftertreatment systems using 1000-ppm (or less) sulfur fuel without affecting the oil change interval.

Discover the Difference

- Cat DEO-ULS is developed and tested to provide superior protection and life for Cat engines.
- Better Detergents - Protect against piston and ring groove deposits.
- Advanced Additive Package - Improves protection of the engine and the Diesel Particulate Filter (DPF).
- Enhanced Dispersants - Provide better soot-related viscosity control, prevents viscosity loss from shearing and reduce oil consumption.
- Improved Protection from Thermal and Oxidative Breakdown - Withstands higher sump temperatures while offering low-temperature pumpability.

(Continued)

Cat® DEO-ULS™ (Continued)

(For the United States, Canada, and Mexico only)

Typical Characteristics {A}		
SAE Viscosity Grade	SAE 15W-40	SAE 10W-30
API Service Classification - Diesel	CJ-4, CI-4 PLUS/CI-4, CH-4	
API Service Classification - Gasoline	SM/SL	
Caterpillar Performance Level	ECF-3	ECF-3
Volvo Performance Level	VDS-4/VDS-3	VDS-4/VDS-3
ACEA Performance Level	E9-08/E7-04	E9-08/E7-04
Cummins Performance Level	CES 20081	
Mack Performance Level	EO-O Premium Plus	
DDC Performance Level	PGOS 93K218	
Flash Point, °C (ASTM D92)	236	230
Pour Point, °C (ASTM D97)	-30	-27
Viscosity cSt @ 40°C (ASTM D445)	114	79
Viscosity cSt @ 100°C (ASTM D445)	15.0	11.9
Viscosity Index (ASTM D2270)	137	145
Sulfated Ash, % wt. (ASTM D874)	0.98	0.97 (ASTM D4739)
TBN (ASTM D2896)	10.4	8.2
Phosphorus, % wt. (ASTM D4951)	0.100	0.100
Sulfur, % wt. (ASTM D2622)	0.3	0.3
Gravity @ 16°C API (ASTM D287)	30.2	
Gravity @ 16°C Specific	0.876	
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.		

English Volume (gal)	Metric Volume (L)	Qty	Part Number
SAE 15W-40			
1	--	--	291-3866
5	--	--	291-3868
55	--	--	291-3869
Cat DEO-ULS 15W-40			
--	1	--	300-7914
--	20	--	300-7915
--	208	--	301-2233
--	5	--	368-4791
--	Bulk	--	335-2491
--	Bulk	--	349-2581

English Volume (gal)	Metric Volume (L)	Qty	Part Number
Cat DEO-ULS 10W-30			
1	--	4	317-3081
5	--	--	317-3083
55	--	--	317-3084
--	1	--	341-0729
--	20	--	308-1476
--	208	--	317-3085
--	5	--	368-4792
--	Bulk	--	346-0465

Cat® NGEO™

Recommended Use

- Designed for engines using gaseous fuels.
- Compatible with exhaust catalyst applications that require a low-phosphorus oil.
- Provides optimum engine and oil life with low-sulfur gaseous fuels that contain less than 0.43 mg hydrogen sulfide per mega Joule (0.35 mg hydrogen sulfide per BTU).

Discover the Difference

- Cat NGEO is formulated from select base stocks blended with special additives to provide an economical engine oil for natural gas applications. Cat NGEO is developed, tested and approved by Caterpillar to meet the same high standards as all Genuine Cat Parts.



(Continued)

Cat® NGEO™ (Continued)

- High-Endurance Lubrication - Performs throughout the long oil change intervals common for gaseous fuel engines.
- Reduced Piston and Cylinder Wear - Anti-oxidation and anti-nitration properties prevent carbon deposit buildup to minimize scuffing, scoring and wear.
- Increased Valve Life - Protects against damage to guide faces and seals.
- Corrosion Protection - Neutralizes acids to prevent rust and copper corrosion.
- High-Temperature Performance - Provides excellent thermal stability and resists foaming and sludge formation.

Typical Characteristics {A}	
SAE Viscosity Grade	SAE 40
Gravity, API	27.5
Flash Point, °C (ASTM D92)	265
Pour Point, °C (ASTM D97)	-15
Viscosity cSt @ 40°C (ASTM D445)	130
Viscosity cSt @ 100°C (ASTM D445)	13.5
Viscosity Index (ASTM D567)	99
Sulfated Ash, % wt. (ASTM D874)	0.48
TBN, mg KoH/g (ASTM D2896)	6.2
Phosphorus, % wt. (Spectro or AA)	0.030
Calcium, % wt. (Spectro or AA)	0.125
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Part Number
SAE 40		
--	19	121-0327
--	200	197-6911
--	205	9X-8527

English Volume (gal)	Metric Volume (L)	Part Number
SAE 40 (Continued)		
--	208	105-3336
--	209	166-3491
--	1000	159-8156

Cat® NGEO EL250™

Applications

- For natural gas engines and other engines requiring low ash oil.

Features

- Increased detergent concentration and acid neutralizing capability to assure less lacquer and deposits on pistons and valves.
- Control of sludge formulation.
- Outstanding resistance to oil nitration and oxidation.

Benefits

- Improves ring and liner service life.
- Increased soot-handling capability.
- Protection against valve guide face and seat damage, piston scuffing, scoring and piston/cylinder wear, foam and corrosion damage, and piston carbon deposits.

Drain Recommendations

G3400 - 1000 hrs
G3500 - 1250 hrs
G3600 - 6000 hrs

English Volume (gal)	Metric Volume (L)	Part Number
SAE 40		
--	20	216-9221
--	208	216-9224
--	Bulk	7X-2426

Cat® NGEO EL350™



Recommended Use

- Provides superior lubrication in high-horsepower gaseous-fueled engines.
- Compatible with exhaust catalyst applications that require a low-phosphorus oil.
- Compatible with “lean burn” engines requiring low-ash oil.
- Provides optimum engine and oil life with low-sulfur gaseous fuels that contain less than 0.43 mg hydrogen per mega Joule (0.35 mg hydrogen sulfide per BTU).
- May be used in engines that use high-sulfur gas or bio-gas, provided that shorter drain intervals are employed.

Discover the Difference

- Cat NGEO EL350 is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Factory-Fill - Used as standard factory-fill for Cat natural gas engines.
- Reduced Piston and Cylinder Wear - Anti-oxidation and anti-nitration properties prevent deposit buildup to minimize scuffing, scoring and wear.
- Increased Spark Plug and Valve Life - Excellent detergent and dispersant additives protect against deposits and damage.
- Corrosion Protection - Acid neutralizers protect parts from rust and copper corrosion.
- Extended Drain Intervals - Provide extended oil drain capabilities when used in conjunction with our S•O•S™ Services oil analysis program.

Drain Recommendations

G3400 - 2000 hrs
G3500 - 2000 hrs
G3600 - 8000 hrs

Typical Characteristics {A}	
SAE Viscosity Grade	SAE 40
Gravity @ 16°C, API (ASTM D287)	29.3
Gravity @ 16°C, Specific	0.882
Flash Point, °C (ASTM D92)	247
Pour Point, °C (ASTM D97)	-21
Viscosity cSt @ 40°C (ASTM D445)	125
Viscosity cSt @ 100°C (ASTM D445)	13
Viscosity Index (ASTM D2270)	97
Sulfated Ash, % wt. (ASTM D874)	0.54
TBN, mg KoH/g (ASTM D2896)	6.2
Phosphorus, % wt. (Spectro or AA)	0.03
Calcium, % wt. (Spectro or AA)	0.13
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Part Number
SAE 40		
5	--	225-5082
55	--	225-5083
Bulk	--	272-3217
--	1000	249-2309

English Volume (gal)	Metric Volume (L)	Part Number
SAE 40 (Continued)		
--	20	225-5084
--	205	269-1971
--	208	225-5085
--	Bulk	283-0781

Cat® TDTO™



Recommended Use

- Preferred lubricant for Cat power shift transmissions, most final drives and wet brake compartments.
- Cat machine compartments where TO-4 and TO-4M specification oils are recommended.
- Other manufacturers' machines that recommend TO-4 or TO-4M or specification oils for their transmissions, final drives and wet brake compartments.

Discover the Difference

- Cat TDTO is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Factory-Fill - Used as standard factory-fill for Cat machine compartments where TO-4 oils are specified.
- Longer Clutch Life - Prolongs clutch disc life up to 45%.
- Optimum Wear Life - Ensures long life and excellent performance for gears, bearings and friction disc material.
- System-Matched Formula - Engineered as an integral part of Cat power shift transmissions, most wet brake compartments, and Hydrostatic Systems.

Typical Characteristics {A}			
SAE Viscosity Grade	SAE 10W	SAE 30	SAE 50
Caterpillar Test	TO-4	TO-4	TO-4
Allison Test	C-4	C-4	C-4
ISO Viscosity Grade	46	100	220
Flash Point, °C (°F) (ASTM D92)	202 (395)	224 (435)	240 (464)
Pour Point, °C (°F) (ASTM D97)	-33 (-27) min.	-18 (0) min.	-15 (5) min.
Viscosity cP @ -25°C (ASTM D5293)	6840		
Viscosity cSt @ 40°C (ASTM D445)	42.0	100	195
Viscosity cSt @ 100°C (ASTM D445)	6.3	11.2	18.0
Viscosity Index (ASTM D2270)	97	97	96
Sulfated Ash, % wt. (ASTM D4951)	1.2	1.2	1.2
TBN (ASTM D2896)	7.9	7.9	7.9
Zinc, % wt. (ASTM D4951)	0.127	0.127	0.127
Gravity API (ASTM D287)	29.7	27.0	24.7
Phosphorus, % wt. (ASTM D4951)	0.110	0.110	0.110
Calcium, % wt.	.298	.298	.298
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.			

(Continued)

Cat® TDTO™ (Continued)

English Volume (gal)	Metric Volume (L)	Qty	Part Number
SAE 10W			
5	--	--	8T-9568
55	--	--	8T-9569
Bulk	--	--	155-6212
--	5	--	100-7019
--	19	--	145-0995
--	20	--	7X-7852
--	25	--	9X-8525
--	200	--	112-2866
--	205	--	7X-7851
--	208	--	103-2528
--	209	--	123-3104
--	1000	--	166-0393
--	Bulk	--	3P-0659
SAE 30			
1	--	4	248-7521
5	--	--	8T-9572
55	--	--	8T-9573
Bulk	--	--	155-6213
--	5	--	9X-6467
--	18	--	9X-2010
--	19	--	9X-8469

English Volume (gal)	Metric Volume (L)	Qty	Part Number
SAE 30 (Continued)			
--	20	--	7X-7855
--	200	--	7X-2888
--	205	--	7X-7854
--	208	--	9X-6466
--	1000	--	7X-7611
--	Bulk	--	2P-9869
SAE 50			
5	--	--	8T-9576
55	--	--	8T-9577
Bulk	--	--	155-6214
--	5	--	9X-8443
--	18	--	9X-2012
--	19	--	9X-8531
--	20	--	7X-7858
--	200	--	9X-8530
--	205	--	7X-7857
--	208	--	3E-9478
--	1000	--	7X-7612
--	Bulk	--	5P-1228

Cat® TDTO-TMS™



Recommended Use

- Cat transmissions, wet brakes and hydraulic compartments that must operate in wide temperature ranges.
- Cat machine compartments where TO-4 and TO-4M specification oils are recommended.
- Other manufacturers' machines that recommend TO-4 or TO-4M specification oils for their transmissions, final drives and wet brake compartments.

Discover the Difference

- Cat TDTO-TMS is a proprietary formulation that was specifically developed, tested and approved by Caterpillar to ensure peak performance in your transmission and to meet the same high standards as all genuine Cat parts.
- Longer Component Life - Reduces wear on transmission gears.
- Improved Cold-Weather Performance - Improves performance and efficiency of transmissions in cold weather, especially for machines with electronic controls.
- Optimum Wear Life - Ensures long life and excellent performance for gears, bearings and friction disc material.
- Fewer Oils, Fewer Changes - Can be used in multiple compartments with extended drain intervals over multiple seasons.

(Continued)

Cat® TDTO-TMS™ (Continued)

Typical Characteristics {A}	
SAE Viscosity Grade	Multi-Viscosity
Caterpillar Test	TO-4M, TO-4
Allison Test	C-4
Gravity, API (ASTM D287)	29.2
Flash Point, °C (°F) (ASTM D92)	222 (432)
Pour Point, °C (°F) (ASTM D97)	-39 (-38)
Viscosity cSt @ 40°C (ASTM D445)	107
Viscosity cSt @ 100°C (ASTM D445)	14.2
Viscosity Index (ASTM D2270)	134
Sulfated Ash, % wt. (ASTM D4951)	1.2
TBN (ASTM D2896)	8.4
Zinc, % wt. (ASTM D4951)	0.127
Phosphorus, % wt. (ASTM D4951)	0.110
Calcium, % wt.	.298
KRL Shear Stability	10.0%
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Part Number
Multi-Viscosity		
5	--	154-0195
55	--	154-0194
Bulk	--	154-0192

English Volume (gal)	Metric Volume (L)	Part Number
Multi-Viscosity (Continued)		
--	20	154-0196
--	208	154-0197
--	Bulk	154-0193

Cat® TDTO™ Cold Weather



Best Performance and Protection for Cold Weather Applications

Cat TDTO Cold Weather is a synthetic blend lubricant that provides superior performance and protection in transmissions, torque converters, final drives, hydraulics and/or wet brakes at temperatures down to -40°F (-40°C). The special formulation creates optimal friction performance and controls transmission slippage while eliminating clutch glazing. Cat TDTO Cold Weather has excellent compatibility with all materials used in Cat machines, including friction materials, seals and elastomers. The outstanding thermal stability and oxidation resistance gives Cat TDTO Cold Weather long drain intervals.

Benefits:

Performance

- Easier Engine Starts
- Greater Machine Rim Pull and Breakout Force
- Long Drain Intervals

Protection

- Promotes Transmission Durability
- Increased Clutch, Gears and Bearing Life
- Optimal Cold Weather Friction Performance

Applications

Cat TDTO Cold Weather is the preferred transmission and drive train oil for low temperature operation in certain applications and can be used in wet brakes and hydraulics. Refer to SEBU6250 for more information.

Cat TDTO Cold Weather is also recommended for applications with the following original equipment manufacturer requirements:

- Cat TO-4
- Allison C-4
- Komatsu Micro-Clutch

(Continued)

Cat® TDTO™ Cold Weather (Continued)

- Vickers 35VQ25

Long Drain Intervals

With the use of Cat S•O•S™ Oil Analysis and Cat Filters, Cat TDTO Cold Weather is capable of long change intervals.

Typical Characteristics {A}	
SAE Viscosity Grade	0W-20
Gravity @ 16°C (60°F)	
Gravity @ API (ASTM D287)	30.8
Specific Gravity	.872
Flash Point @ °C (ASTM D92)	170
Pour Point @ °C (ASTM D97)	-54
Kinematic Viscosity (ASTM D445)	
cSt @ 40°C	32.9
cSt @ 100°C	7.5
Brookfield Viscosity (ASTM D2983)	
cP @ -40°C	7000
Total Base Number (TBN) (ASTM D664)	7.9
Low Temperature Pumpability @ °C (ASTM D4684)	-54
Phosphorus, ppm	1060
Zinc, ppm	1250
Calcium. ppm	3000
Sulfated Ash, % wt.	1.2
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Qty	Part Number
--	4	4	341-1949
--	4	1	332-8851
--	20	--	228-6069

English Volume (gal)	Metric Volume (L)	Qty	Part Number
--	205	--	228-6070
Bulk	--	--	301-4523

Cat® SAEO™



Recommended Use

- Cat Special Application Engine Oil is the only oil approved by Caterpillar for use in the 3116 and 3126 Marine Diesel Engines with mechanical unit injection and a closed crankcase ventilation system. This system circulates blowby gases from the engine crankcase to the turbocharger inlet. These blowby gases can form harmful deposits in the turbocharger and the aftercooler. Cat Special Application Engine Oil is designed to reduce or eliminate the formation of these harmful deposits.[1]

Discover the Difference

- Stops the buildup of deposits in the turbocharger compressor and the aftercooler that can reduce power and cause an increase in smoke.
- Maintains stable oil consumption within the specified oil change interval and from one interval to the next.
- Stabilizes functional chemistry throughout each service interval.
- Stops the buildup of deposits on pistons and rings that can increase oil consumption.
- Helps to eliminate the formation of deposits on pistons that are abrasive enough to polish the hone pattern from the surface of the liners.
- Prevents the clumping of soot particles that can cause an abnormal increase in viscosity, piston deposits, or sludge.

(Continued)

Cat® SAEO™ (Continued)

Typical Characteristics {A}		
SAE Viscosity Grade	SAE 30	SAE 40
Manufacturer	1K	1K
Manufacturer	C4	
Flash Point, °C (ASTM D92)	232	232
Pour Point, °C (ASTM D97)	-23	-18
Viscosity cSt @ 100°C (ASTM D445)	11.0	14.0
Sulfated Ash, % wt. (ASTM D874)	0.9	0.9
TBN (ASTM D2896)	6.5	6.5
Zinc, % wt. (ASTM D1549)	0.12	0.12
Phosphorus, % wt. (ASTM D1091)	0.10	0.10
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.		

English Volume (gal)	Metric Volume (L)	Part Number
SAE 30		
1	--	170-5262
5	--	198-7368
Bulk	--	161-5824
--	20	9X-6462
--	208	9X-6463

English Volume (gal)	Metric Volume (L)	Part Number
SAE 40		
1	--	170-5261
5	--	198-7369
--	20	7X-7840
--	208	7X-7843

[1] Cat SAEO should not be used in 3406, 3126, C-10, C-12, or 3116 low emission on-highway truck engines. Use Cat DEO multi-grade oils.

Cat® FDAO™



Recommended Use

- Preferred lubricant for Cat Off-Highway Truck front wheels, differentials and final drives.
- Preferred lubricant for Cat Large Track-Type Tractor, Pipelayer, and Track Skidder final drives (steel-tracked machines with elevated final drives except the D5M, D6M and 561M).
- Compatible with Cat final drives and axles that previously specified TO-4 lubricants and do not contain friction material.

Discover the Difference

- Cat FDAO is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Factory-Fill - Used as standard factory-fill for Cat Off-Highway Trucks and Large Track-Type Tractors.
- Extended Drain Intervals - Allows for double-length drain intervals in off-highway truck final drives, as compared to TO-4 commercial oils.
- Minimal Foaming - Formulated to protect against the damaging effects of air.

(Continued)

Cat® FDAO™ (Continued)

Typical Characteristics {A}	
SAE Viscosity Grade	SAE 60
ISO Viscosity Grade	320
Caterpillar Test	FD-1
Gravity, 16°C API (ASTM D287)	25.9
Gravity, 16°C Specific	.899
Flash Point, °C (°F) (ASTM D92)	225 (491)
Pour Point, °C (°F) (ASTM D97)	-15 (5)
Viscosity cSt @ 40°C (ASTM D445)	334
Viscosity cSt @ 100°C (ASTM D445)	25.2
Viscosity cP @ -10°C (ASTM D2983)	75,000
Viscosity Index (ASTM D2270)	97
Copper Strip (ASTM D130, 2 hrs @ 100°C)	1A
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Part Number
SAE 60		
5	--	184-6022
55	--	184-6021
Bulk	--	184-6020
--	18	206-5210
--	20	184-8055

English Volume (gal)	Metric Volume (L)	Part Number
SAE 60 (Continued)		
--	200	198-7672
--	205	201-9855
--	208	184-8056
--	1000	221-3445
--	1200	202-9753
--	Bulk	184-8054

Cat® FDAO SYN™



Recommended Use

- Preferred lubricant for Cat Off-Highway Truck and D11R carrydozer front wheels, differentials and final drives operating under high load factors.
- Compatible with Cat final drives and axles that previously specified Cat FDAO or TO-4 lubricants and do not contain friction material.

Discover the Difference

- Cat FDAO SYN is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Extended Drain Intervals - Extend drain intervals up to a factor of three in off-highway truck final drives, as compared to Cat TDTO and TO-4 oils.
- Minimal Foaming - Formulated to protect against the damaging effects of air.
- Longer Bearing and Gear Life - Has demonstrated the capability to double bearing life and quadruple gear life when compared to TDTO and T0-4 oils used in off-highway truck final drives.

(Continued)

Cat® FDAO SYN™ (Continued)

Typical Characteristics {A}	
SAE Viscosity Grade	Multigrade
ISO Viscosity Grade	320
Caterpillar Test	FD-1
Gravity, 16°C API (ASTM D287)	33.4
Flash Point, °C (°F) (ASTM D92)	246 (474) min.
Pour Point, °C (°F) (ASTM D97)	-36 (-38)
Viscosity cSt @ 40°C (ASTM D445)	320
Viscosity cSt @ 100°C (ASTM D445)	31.6
Viscosity cP @ -20°C (ASTM D2983)	34,000
Viscosity cP @ -30°C (ASTM D2983)	131,200
Viscosity Index (ASTM D2270)	138
Copper Strip (ASTM D130, 2 hrs @ 100°C)	1A
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Part Number
Multi-Viscosity		
5	--	208-2390
55	--	198-7450
--	18	206-5211

English Volume (gal)	Metric Volume (L)	Part Number
Multi-Viscosity (Continued)		
--	208	206-5212

Cat® Bio HYDO™ Advanced

High Performing, Environmentally Friendly

Cat® Bio HYDO™ Advanced is an environmentally friendly hydraulic fluid that has the drain interval of premium mineral-based oil. Developed for use in any environment, Cat BIO HYDO Advanced provides superior performance across a wide temperature range and many applications, including: Construction, Forestry, Dredging, Ports, and Tunnel Boring.

Benefits:

Environmentally Friendly

- Non-toxic formula
- Readily biodegradable
- EU Flower eco-label certified

Extended Drain Intervals

- Excellent oxidation stability
- Comparable to premium mineral-based hydraulic oils

Exceptional System Protection

- Superior wear protection
- Corrosion resistance
- Fast air release

Features

- Long Life - Cat Bio HYDO Advanced outperforms the previously recommended Cat Bio HYDO and competitive brands. In fact, Cat Bio HYDO Advanced performance is comparable to premium mineral-based hydraulic oils. Like Cat HYDO Advanced, Cat Bio HYDO Advanced can be taken up to a 6,000 hour drain interval with Cat S•O•S™ Fluid Analysis.
- Biodegradable - readily biodegradable and non-toxic, so that it can be used in environmentally sensitive areas without concern.
- Wide temperature Range Protection - maintains consistent wear protection throughout the entire temperature range, -22°F (-30°C) - 113°F (45°C). From cold start through to operating temperature, Cat Bio HYDO Advanced gives you the best system protection.
- Improved Flow Through Filters - retains its ability to flow through filters even when water is present.
- Seal Compatibility - Cat Bio HYDO Advanced is highly compatible with the seals used in Cat Hydraulic systems. This means fewer leaks and lower maintenance costs.

(Continued)

Cat® Bio HYDO™ Advanced (Continued)

- Component Protection - specially developed additives form a protective layer on wear surfaces, reducing wear in hydraulic pumps and other components. Cat BIO HYDO Advanced provides excellent corrosion protection to steel and bronze components, even at high temperatures.

Cat Bio HYDO Advanced Typical Characteristics {A}				
Characteristics	Cat Bio HYDO Advanced (HEES)	Typical Environmentally Friendly Synthetic Ester HEES Hydraulic Oil {B}	Typical Premium Industrial Hydraulic Oil {B}, HVLP {B}, HV {B}	Benefits of Cat Bio HYDO Advanced
Oxidation Stability Test, ASTM D493 (Longer is better)	More than 3,000 hrs (Dry)	Less than 500 hrs (Dry)	2,000 hrs	Long Drain Interval Rresults in Reduced Owning & Operating Cost
Long Drain Interval Capability	Yes	No	No	" "
Suitable for use in Environmentally Sensitive Areas	Yes	Yes	No	Low Environmental Impact
Renewable Content, ASTM D6866	>80%	>50%	None	" "
Viscosity at 100°C, ASTM D445	8.6 cSt	8.1 - 9.0 cSt	8.0 cSt	Excellent Wear Protection and Wide Operating Temperature Range
Viscosity at 40°C, ASTM D445	44.3 cSt	46 cSt	46 cSt	Cat Bio HYDO Advanced is Recommended for Ambient Temperatures from -30°C to +45C
Viscosity Index, ASTM D2270 (Higher is Better) {C}	176	150-180	140	" "
Viscosity at 100°C, ASTM D445 During Use After Shear {C}	8.6 cSt	9 cSt	6.6 cSt	" "
Pour Point, ASTM D 97	-45°C	-36°C	-36°C	" "
Brookfield Viscosity at -20°C ASTM D2983	1,227 cP	2,500 cP	2,500 cP	" "
Brookfield Viscosity at -30°C ASTM D2983	3,039 cP	--	--	" "
{A} The values shown here are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.				
{B} Not recommended for use in Cat Hydraulic systems.				
{C} High Viscosity Index oils containing viscosity modifier additives will become thinner during use, this will reduce the level of protection.				

(Continued)

Cat® Bio HYDO™ Advanced (Continued)

Cat Bio HYDO Advanced Typical Characteristics {A} (Continued)				
Characteristics	Cat Bio HYDO Advanced (HEES)	Typical Environmentally Friendly Synthetic Ester HEES Hydraulic Oil {B}	Typical Premium Industrial Hydraulic Oil {B}, HVLP {B}, HV {B}	Benefits of Cat Bio HYDO Advanced
FZG Gear Test, DIN 51534, Fail Stage (Higher is better) {D}	>12	12	11	Excellent Wear Protection and Wide Operating Temperature Range
4-Ball Wear Test, ASTM D4172	0.35 mm	--	--	Cat Bio HYDO Advanced is Recommended for Ambient Temperatures from -30°C to +45C
35VQ25 Total Wear, mg (Lower is better)	25 mg	<90 mg	<90 mg	" "
Air Release at 50°C (ASTM D3427) (Lower is better)	1 minute	7 min - 13 min	7 min - 13 min	Faster Air Release Reduces Cavitation Damage
Copper Strip Corrosion, ASTM D130, 3 Hours (1A is better than 1B, 1A at 150°C is better than 1A at 100°C)	1A at 150°C	1B at 100°C	1B at 100°C	Best in Class Corrosion Protection
Corrosion Protection, ASTM D665B	Pass	Pass	Pass	" "
{A} The values shown here are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.				
{B} Not recommended for use in Cat Hydraulic systems.				
{D} In addition to high FZG rating, the oil must demonstrate excellent protection to hydraulic pumps and motors, excellent corrosion protection and compatibility with metal and seals.				

Cat® HYDO™ Advanced 10



6,000 Hour Extended Drain Intervals

Cat is introducing a new hydraulic oil to the fluid product line, Cat HYDO Advanced 10. This new oil is a combination of premium additives and specially selected and controlled higher quality base oils designed to provide extended drain intervals and extra protection to hydraulic system components.

Cat HYDO Advanced 10 represents a significant performance breakthrough in hydraulic oil technology. This oil has been developed with an optimized formulation that has been subjected to severe qualification testing in the field and laboratory for thousands of hours. The result is the best product available for Cat hydraulic systems.

Features & Benefits

- 6,000 hour extended drain intervals - up to the hours of Cat HYDO 10W when monitored with Cat S•O•S™ Services oil analysis program-every 500 hours. Reduces owning and operating costs and increases uptime.
- Enhances long lasting anti-wear protection - specially developed additives form a protective layer on the wear surfaces, reducing component wear in high-pressure piston, vane and gear hydraulic pumps.
- Holds water in dispersion - contains emulsifiers specially designed to disperse water. Cat does not recommend oils that "separate," "shed" or "release" water. Separated water drawn through the hydraulic system can damage pumps and other components. If this water freezes, it can cause serious damage.
- Backward compatibility - the only hydraulic oil you need to stock for your maintenance operations. Preferred fill for Cat equipment.

(Continued)

Cat® HYDO™ Advanced 10 (Continued)

- Improved filtration properties - special detergent dispersants keep components clean and improve transport of contaminants through the filters. Compatible with Cat Ultra High Efficiency filters.
- Improved corrosion protection - protects metal surfaces from rust. Better corrosion protection than most oils in the Cat line-up.
- Faster air release - rapid air separation reduces air release time, preventing cavitation, Cat HYDO Advanced 10 air release time of less than 4 minutes is far superior compared to Cat HYDO 10W at 7-10 minutes air release time (per ASTM D3427 testing).
- Wide temperature range protection - maintains consistent wear protection at both cold and hot temperatures. Designed to flow readily at cold temperature start up, and maintains excellent wear protection at operating temperatures.
- Improved oil stability - 250% increase in oxidation stability per ASTM D943. Improved oil stability and wear protection make Cat HYDO Advanced 10 last longer.

(Continued)

Cat® HYDO™ Advanced 10 (Continued)

Cat HYDO Advanced 10 Typical Characteristics {A}				
Characteristics	HYDO Advanced 10	Typical Diesel Engine Oil API CF SAE 10W	Typical Premium Industrial Hydraulic Oil, HVLP or HV	HYDO Advanced 10 Advantages
SAE Viscosity Grade	10W	10W	Varies	
Viscosity				
cSt @ 40°C (ASTM D445)	42	40	46	Better wear protection, wider operating temperature range
cSt @ 100°C (ASTM D445)	6.7	6.3	8.0	" "
Viscosity Index (ASTM D2270)	114	105	146	" "
Viscosity after Shear (cSt, during use) {B}	6.7	6.3	6.6	" "
FZG Gear Test DIN 51534, Fail Stage {C}	12	12	11	" "
35VQ25 Vickers Total Wear Test	33 mg	40-90 mg	<90 mg	" "
4 Ball (40kg/30min/ 600rpm/93°C ASTM D4172)	0.37 mm	Varies	Varies	" "
Pour Point, °C (ASTM D97)	-39	-30	-36	" "
Pumping @ -30°C mPaS (ASTM D4684)	15,000	Varies	Varies	" "
Zinc, % wt. (ASTM D4951) typical	0.090	Varies	<0.040	" "
Copper Strip Corrosion (3 hr, ASTM D130) {D}	1A @ 150°C	1A @ 100°C	1A @ 100°C	Corrosion protection
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.				
{B} Oils that contain viscosity modifier additives will become thinner during use in this machine. This will reduce protection level.				
{C} Higher is typically better, but too much active antiwear additives may lead to reduced component life.				
{D} 1A is better than 1B, 1A at 150° C is better than 1A at 100° C.5				

(Continued)

Cat® HYDO™ Advanced 10 (Continued)

Cat HYDO Advanced 10 Typical Characteristics				
Characteristics	HYDO Advanced 10	Typical Diesel Engine Oil API CF SAE 10W	Typical Premium Industrial Hydraulic Oil, HVLP or HV	HYDO Advanced 10 Advantages
Rust Protection (ASTM D665B) {E}	Pass	Varies	Varies	Corrosion protection
Oxidation stability, hours (ASTM D943)	>5,000	2,000 hours	2,000 hours	Long Drain Interval, lower owning and operating costs
Long Drain Interval, confirmed by field testing	Yes	No	No	" "
Filterability, Wet, E DIN ISO 13357-1	Pass	Fail	Pass	Reduced filter plugging improves contamination control, due to better filtration
Air Release @ 50°C (ASTM D3427)	4 minutes	7-10 minutes	7-13 minutes	Better air release reduces cavitation damage
Foam Test {F}		Varies	Varies	" "
Seq.1 ml. (ASTM D892)	0/0			" "
Seq.2 ml. (ASTM D892)	5/0			" "
Seq.3 ml. (ASTM D892)	0/0			" "
Cleanliness	No interference with optical particle counters	Interferes with optical particle counters	Varies	Accurate contamination control
Ability to keep water in emulsion	Yes	Yes	No	Sludge control and water damage prevention
{E} May be difficult to pass with 10W engine oils.				
{F} New oil, as received, with 0.1% water by volume added.				

English Volume (gal)	Metric Volume (L)	Package Quantity	Part Number
1	--	4	309-6932
5	--	--	309-6931
55	--	--	309-6930
Bulk	--	--	314-5168
Bulk Railcar	--	--	309-6929
--	5	--	309-6945
--	18	--	309-6944
--	19	--	309-6943
--	20	--	309-6942

English Volume (gal)	Metric Volume (L)	Package Quantity	Part Number
--	60	--	309-6941
--	200	--	309-6940
--	205	--	309-6939
--	208	--	309-6938
--	1,000	--	309-6937
--	2,000	--	309-6936
--	10,000	--	309-6935
--	15,000	--	309-6934
--	15,004	--	314-5169

Cat® HYDO™ Advanced 30

6,000 Hour Extended Drain Intervals

Caterpillar is introducing a new Cat® HYDO Advanced 30 hydraulic oil to the fluid product line. Cat HYDO Advanced 30 compliments the recently introduced Cat HYDO Advanced 10. These new oils are a combination of premium additives and specially selected and controlled higher quality base oils designed to provide extended drain intervals and extra protection to hydraulic system components.

Cat HYDO Advanced 30 and 10 represent a significant performance breakthrough in hydraulic oil technology. These oils have been developed with an optimized formulation that has been subjected to severe qualification testing in the field and laboratory for thousands of hours. The result is the best product available for Cat machine hydraulic systems.

Cat HYDO Advanced 30 is an oil specifically formulated for working in consistently hot climates with temperatures ranging above 40°C (104°F).

Features & Benefits

(Continued)

Cat® HYDO™ Advanced 30 (Continued)

- 6,000 hour extended drain intervals – up to triple the hours of Cat® HYDO 30 when monitored with Cat® S•O•S™ Services oil analysis program-every 500 hours. Reduces owning and operating costs and increases uptime.
- Enhances long lasting anti-wear protection – specially developed additives form a protective layer on the wear surfaces, reducing component wear in high-pressure piston, vane, and gear hydraulic pumps.
- Holds water in dispersion – contains emulsifiers specifically designed to disperse water. Cat does not recommend oils that "separate," "shed," or "release" water. Separated water drawn through the hydraulic system can damage pumps and other components. If this water freezes, it can cause serious damage.
- Backward compatibility – the only hydraulic oil you need to stock for your maintenance operations. Preferred fill for Cat equipment.
- Improved filtration properties – special detergent dispersants keep components clean and improve transport of contaminants through the filters. Compatible with Cat Ultra High Efficiency filters.
- Improved corrosion protection – protects metal surfaces from rust. Better corrosion protection than most oils in the Cat line-up.
- Wide temperature range protection – maintains consistent wear protection at both cold and hot temperatures. Designed to flow readily at cold temperature start up, and maintains excellent wear protection at operating temperatures.
- Improved oil stability – 250% increase in oxidation stability per ASTM D943. Improved oil stability and wear protection make Cat HYDO Advanced last longer.

(Continued)

Cat® HYDO™ Advanced 30 (Continued)

Cat HYDO Advanced 30 Typical Characteristics {A}		
Characteristics	HYDO Advanced 30	HYDO Advanced 30 Advantages
SAE Viscosity Grade	30	Better wear protection, wider operating temperature range
Viscosity		" "
cSt @ 40°C (ASTM D445)	90	" "
cSt @ 100°C (ASTM D445)	10.6	" "
Viscosity Index (ASTM D2270)	100	" "
Viscosity after Shear (cST, during use) {B}	10.6	" "
4 Ball (40kg/30min/600rpm/93°C ASTM D4172)	0.30 mm	" "
Pour Point, °C (ASTM D97)	-24	" "
Brookfeld Viscosity @ -20°C (ASTM D2983) mPaS	13,600	" "
Zinc, % wt. (ASTM D495) typical	0.090	" "
Copper Strip Corrosion (3 hr, ASTM D130) {C}	1A @ 150°C	Corrosion protection
Rust Protection (ASTM D665B)	Pass	" "
Oxidation stability, hours (ASTM D943)	>5,000	Longer drain interval; lower owning and operating costs
Long Drain Interval, confirmed by field testing	Yes	" "
Filterability, Wet, E DIN ISO 13357-1	Pass	Reduced filter plugging; improves contamination control due to better filtration
Foam Test {D}		Reduces foaming
Seq. 1 ml. (ASTM D892)	0/0	" "
Seq. 3 ml. (ASTM D892)	0/0	" "
Seq. 3 ml. (ASTM D892)	0/0	" "
Cleanliness	No interference with optical particle counters	Accurate contamination control
Ability to keep water in emulsion	Yes	Sludge control and water damage prevention
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.		
{B} Oils that contain viscosity modifier additives will become thinner during use in this machine. This will reduce protection level.		
{C} 1A is better than 1B, 1A at 150° C is better than 1A at 100° C.		
{D} New oil, as received, with 0.1% water by volume added.		

Metric Volume (L)	Part Number
18	319-5920
20	319-5921
200	319-5922

Metric Volume (L)	Part Number
208	319-5923
Bulk	319-5919

Cat® GO



Recommended Use

- Cat GO does not meet Cat TO-4 specifications and should not be used when TO-4 is recommended
- Cat GO is a multi-viscosity API GL-5 classification gear oil intended for extreme-pressure applications, such as the following:
- Differentials and final drives on Cat Wheel Tractor-Scrapers, specific Articulated Trucks, Wheel Excavators, and Backhoe Loaders.
- Cold Planer direct drive transmissions, differentials and final drives.
- Drum bearings on Vibratory Soil Compactors.

Discover the Difference

- Cat GO is tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Longer Gear and Bearing Life - Superior thermal stability and oxidation resistance reduce deposits and wear.
- Extreme-Pressure Performance - Provides extra protection for improved performance and life in extreme-load conditions.
- Simplified Maintenance - Multi-purpose capability reduces number of gear lubricants needed for maintenance.
- Wide Temperature Range - Provides excellent stability at high temperatures and superior performance at low temperatures for easier start-ups.

Typical Characteristics {A}		
SAE Viscosity Grade	SAE 80W-90	SAE 85W-140
Gravity @ 16°C API (ASTM D287)	26.6	25.1
Flash Point, °C (°F) (ASTM D92)	210 (410)	230 (446)
Pour Point, °C (°F) (ASTM D97)	-27 (-17)	-18 (0)
Viscosity cSt @ 40°C (ASTM D445)	139	333
Viscosity cSt @ 100°C (ASTM D445)	14.5	25.4
Viscosity cP @ -26°C (ASTM D2983)	110,000	N/A
Viscosity Index (ASTM D2270)	104	99
Phosphorus, % wt. (ASTM D1091)	0.087	0.087
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.		

English Volume (gal)	Metric Volume (L)	Part Number
SAE 80W-90		
5	--	8T-9582
15	--	8C-7398
30	--	8T-9583
55	--	8T-9584
Bulk	--	155-6220
--	5	9X-6470
--	20	7X-7867
--	60	7X-7887
--	208	9X-6469
--	1000	119-5129
--	1200	8C-9927

English Volume (gal)	Metric Volume (L)	Part Number
SAE 80W-90 (Continued)		
--	Bulk	2P-9863
SAE 85W-140		
5	--	9X-6185
--	4	7X-7618
--	18	133-9643
--	19	9X-8535
--	20	7X-7617
--	200	205-4312
--	205	7X-7616
--	209	133-9644
--	1000	7X-7615

(Continued)

Cat® GO (Continued)

English Volume (gal)	Metric Volume (L)	Part Number
SAE 85W-140 (Continued)		
--	Bulk	7X-7614

Cat® Synthetic GO



Recommended Use

- Cat GO does not meet Cat TO-4 specifications and should not be used when TO-4 is recommended.
- Cat Synthetic GO is a full synthetic multi-viscosity API GL-5 classification multi-purpose gear oil for the following applications:
- Sealed-and-lubricated track pins on Cat Track-Type Tractors and Track-Type Loaders.
- Track-Type Tractor equalizer bar ends.
- Differentials and final drives on Cat Wheel Tractor-Scrapers, specific Articulated Trucks, Wheel and Mini Excavators, and Backhoe Loaders.
- Specific Articulated Trucks as recommended in your Operation and Maintenance Manual.
- Motor Grader circle drives.
- Cold Planer direct drive transmissions, differentials and final drives.
- Drum bearings on Vibratory Soil Compactors.
- Speed reducers on augers and elevators.

Discover the Difference

- Cat Synthetic GO is tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Maximum Gear and Bearing Life - Provides ultimate protection against scoring of gear teeth, as well as pitting in gear teeth and rolling-element bearings.
- Extended Track Life - Improves galling resistance, reduces seal wear and minimizes bushing end grooving in sealed-and-lubricated track joints.
- Wide Temperature Range - Offers superior stability at high temperatures and superior performance at low, even arctic, temperatures.
- Reduced Wear - Provides excellent oxidation resistance which reduces buildup of harmful deposits.
- Extreme-Pressure Performance - Offers powerful protection under extreme duty conditions.
- Factory-Fill - Used as standard factory-fill for Cat machines.

Typical Characteristics {A}	
SAE Viscosity Grade	SAE 75W-140
API Service Classification	GL-5, MT-1
Gravity API (ASTM D287)	31.7
Gravity, Specific	.867
Flash Point, °C (°F) (ASTM D92)	220 (428)
Pour Point, °C (°F) (ASTM D97)	-46 (-51)
Channel Point, °C (°F, max (FTMS 791A-3456))	-45 (-49)
Viscosity cSt @ 40°C (ASTM D445)	185
Viscosity cSt @ 100°C (ASTM D445)	25
Viscosity Index (ASTM D2270)	172
Phosphorus, % wt. (ASTM D1091)	0.141
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product.Specifications are subject to change without notice.	

(Continued)

Cat® Synthetic GO (Continued)

English Volume (gal)	Metric Volume (L)	Part Number
SAE 75W-140		
1	--	350-9509
5	--	242-3466
55	--	242-3467
--	Bulk	8C-3400

Compactor Oil



- Special synthetic oil used in vibrator drum of Compactors
- Packaged in 20 L (5 gal) pails
- Large machines take 20 L (5 gal) per drum
- Small machines take 10 L (2 1/2 gal) per drum

Part Number	EAME Part Number	Qty.	Size
353-4980	--	1	3.8 L (1 gal)
4C-6767	185-4759	1	20 L (5.28 gal)

Cat® MTO



Recommended Use

- Recommended for older Cat Backhoe Loader rear axles and Cat Challenger Tractors.
- Cat components and systems recommending multipurpose tractor fluid that meet Ford/ New Holland M2C134D specification.
- Most Cat Hydraulic Systems.

Discover the Difference

- Cat MTO is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Improved Braking and Clutching - Where approved for use, enhances control and extends life in clutches and wet brakes.
- Lower Maintenance Costs - Exceptional anti-wear properties extend equipment and component lives.
- Cold-Weather Operation - Can be used in temperatures as low as -13°F (-25°C).
- Simplified Maintenance - Can be used in multiple compartments, reducing inventory and the chance of using the wrong oil.
- Long-Lasting Performance - Offers high thermal stability and oxidation resistance for long service life in severe applications.

(Continued)

Cat® MTO (Continued)

OEM Compatibility	
Cat MTO meets the following OEM specifications {A}:	
API	GL-4
CNH	MAT3525
Ford New Holland	FNHA-2-C-201
Kubota	UDT
Volvo	WB 101/BM
Cat MTO can be substituted in applications that require the following:	
AGCO Powerfluid	821 XL
Allison	C4 (Agriculture Applications Only)
Denison	HF-0/HF-1/HF-2 (T5D & P46)
Ford	ESN-M2C 134 D
JI Case	MS 1204-07/09
John Deere	JMD J20C
Massey Ferguson	MF 1135/1141
Vickers	35VQ25
Typical Characteristics {B}	
Gravity API (ASTM D287)	28.6
Flash Point, °C (°F) (ASTM D92)	214 (417)
Pour Point, °C (°F) (ASTM D97)	-42 (-44)
Viscosity Brookfield, cP at -20°C	4300
Viscosity cSt @ 40°C (ASTM D445)	58
Viscosity cSt @ 100°C (ASTM D445)	9.3
Viscosity Index (ASTM D2270)	140
Zinc, % wt.	0.15 min.
{A} Cat MTO does not meet Cat TO-4 or FD-1 and should not be used in compartments that specify TO-4 or FD-1 oil.	
{B} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Part Number
SAE 10W-30		
5	--	105-3335
55	--	105-3334
Bulk	--	155-6218
--	5	172-6894
--	18	135-3189

English Volume (gal)	Metric Volume (L)	Part Number
SAE 10W-30 (Continued)		
--	19	112-9183
--	20	109-4395
--	200	126-2700
--	205	138-4271
--	208	120-5286
--	Bulk	105-3333

Cat® Axle and Brake Oil Additive



English Volume (qt)	Metric Volume (L)	Part Number
1 qt	--	197-0017

Brake Fluid



- Meets DOT and SAE requirements

DOT 3

- Use where DOT 3 brake fluid is specified by service manual or operators guide
- Loaders, lift trucks, and service trucks

DOT 5

- DOT 5 is for extreme service conditions where higher than normal temperatures will be encountered or where moisture absorption is a problem
- High performance cars and off-road vehicles

Part Number	Qty.	Size
DOT 3		
4C-5585	12	0.94 L (1 qt)
4C-5586	4	3.79 L (1 gal)
DOT 5		
4C-5588	12	0.94 L (1 qt)

Governor Oil

Model: 3600 Engine

- For 3600 Engine Woodward Governor

Part Number	Qty.	Size
136-9642	1	0.95 L



Hydraulic Oil Additive

- Low friction additive for some hydraulic systems
- Relieves “stick-slip” on noisy hydraulic cylinders
- Not for use on machines which have a common sump for hydraulics, brake, and transmissions

Part Number	Size	Qty.
1U-9891	0.95 L (1 qt) bottle	12

Oil Stabilizer

- Reduces oil consumption
- Reduces engine wear
- Helps keep vital engine parts clean
- Reduces thermal oil and viscosity breakdown

This product should only be used as needed in the following engines:	
Engine Model	Engine Serial No.
3406E	5EK1-Up, 5DS1-Up, 6TS1-Up, 1LW1-Up, 2WS1-Up, 1MM1-Up, 4AS1-Up
C-15	6NZ1-82494
C-16	7CZ1-Up



Part Number	Qty.	Size
143-3655	12	0.94 L

Health and Safety

Under normal conditions of intended use, these products do not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, visit us on the web at www.catmsds.com.

Cat® ELC™



Recommended Use

- Cat ELC meets or exceeds the requirements of the following specifications and guidelines:
- Cat EC-1
- ASTM D-3306
- ASTM D-6210
- TMC RP-329
- TMC RP-338
- SAE J1034

Discover the Difference

- Cat ELC is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Factory-Fill - Used as standard factory-fill for all Cat machine cooling systems.
- Lower Maintenance Costs - Reduces engine coolant and additive costs by as much as 500% compared to conventional coolants. CAT ELC eliminates the need for supplemental coolant additives, extends coolant change-out intervals and reduces disposal requirements.
- Advanced Metal Protection - Incorporates an advanced formula technology with organic acid additive corrosion inhibitors, such as a combination of mono and dicarboxylates for maximum protection of copper, solder, brass, steel, cast iron and aluminum.

Typical Characteristics {A}	
Color	Strawberry Red
Boiling protection with 15 psi (1 bar) radiator cap	
50% Cat ELC/50% water	129°C (265°F)
60% Cat ELC/40% water (ELC concentrate added)	132°C (270°F)
Freezing protection	
50% Cat ELC/50% water	-37°C (-34°F)
60% Cat ELC/40% water (ELC concentrate added)	-52°C (-62°F)
Nitrite (50% solution)	500 ppm
Molybdate (50% solution)	530 ppm
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Part Number
Cat ELC Concentrate (with embitterment)		
--	5	205-6615 [1]
--	5	215-4244 [2]
1	--	238-8647
--	4	348-8223 [3]
Cat ELC Premix 50/50 (with embitterment)		
--	5	205-6611 [1]
--	20	205-6612 [1]
--	210	205-6613 [1]
--	1000	205-6614 [1]
--	200	215-4242 [2]

English Volume (gal)	Metric Volume (L)	Part Number
Cat ELC Premix 50/50 (with embitterment) (Continued)		
--	5	215-4245 [4]
--	20	215-4246 [4]
--	1000	237-4953 [5]
1	--	238-8648
5	--	238-8649
55	--	238-8650 [6]
--	4	348-8220 [3]
--	18	348-8221 [3]
--	200	348-8222 [3]
275	--	361-1024

[1] EAME - Europe, Africa, Middle East
[2] Brazil
[3] APD - China
[4] LACD - Brazil
[5] APD - Australia
[6] NACD - North America

Cat® ELC Extender

Recommended Use

- Protects against cylinder liner/block pitting and cavitation erosion
- Should be added to Cat ELC at 500,000 km (300,000 miles) for Cat powered on-highway trucks and 6,000 hours for commercial engines
- Extender is typically necessary only once during the life of the coolant
- Ensures Cat ELC performance to 1,000,000 km (600,000 miles) or 12,000 hours

ELC Extender and Flush Intervals

Cat ELC Extender should be added after 6,000 hours or 300,000 miles (500,000 km) of operation, and the system should be drained and flushed with clean water after 12,000 hours or 600,000 miles (1,000,000 km). No cleaning agents are needed.



English Volume (gal)	Metric Volume (L)	Part Number
Cat ELC Extender		
>0.250 (1 Qt.)	--	119-5152
1	--	210-0786
--	1	215-4241[1]
--	5	219-3039[1]

[1] LACD - Brazil

Cat® ELI

Recommended Use

- Inhibitor concentrate based on Cat® ELC technology
- For use in generator sets, industrial engines and marine engines that do not require freeze protection

Discover the Difference

- Corrosion protection, like Cat ELC, only without glycol
- Extended drain interval and little maintenance makes an excellent alternative to conventional supplement coolant additives with water
- Lower total owning and operating costs compared to water and SCA because of the extended drain interval and limited maintenance of Cat ELC

English Volume (gal)	Metric Volume (L)	Part Number
Cat ELI Concentrate		
1	--	351-9431
--	1000	366-2753[1]
--	20	351-9432
--	208	351-9433

[1] NACD and LACD only

Cat® DEAC™



Recommended Use

- Cat DEAC is approved for use in all Cat machines, commercial engine and truck engine applications and most diesel, gas or natural gas engines made by other manufacturers.
- Cat DEAC meets the following ASTM standards:
- ASTM D6210 (Heavy-duty antifreeze/coolants)
- ASTM D3306 (Automotive applications)
- ASTM D1384 (Glassware corrosion test)

Discover the Difference

- Cat DEAC is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Excellent Performance - Contains organic and inorganic corrosion inhibiting and antifoam additives, and provides superior protection against pitting, corrosion and freezing down to -37°C (-34°F).
- Convenience - Fully formulated, no pre-mixing with supplemental coolant additive required at initial fill. Concentrate available in 1 gallon, 20 liter, and 55 gallon containers for top off.

Typical Characteristics {A}	
Color	Magenta
Boiling protection °C (°F) 15 psi pressure cap (ASTM D1177)	
50% Cat DEAC/50% water	129 (265)
60% Cat DEAC/40% water (maximum)	132 (270)
Freezing protection °C (°F)	
50% Cat DEAC/50% water	-37 (-34)
60% Cat DEAC/40% water (maximum)	-52 (-62)
Silicon concentrate (in the form of Silicates)	240 ppm
Ethylene Glycol (% volume)	95.2% min.
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Part Number
Cat DEAC - Concentrate with Embitterment		
1	--	339-3768
55	--	339-3769
--	Bulk	339-3771
--	5	362-2180[1]
--	4	339-3765[2]
--	210	362-2181[1]

[1] EAME Only
[2] Brazil Only

275 Gallon Tote Ball Valve Dispensing Tool

To dispense coolant from 275-gallon totes, a new ball valve dispensing tool has been added to the Cat product line-up. It was designed specifically to dispense coolant from disposable totes.
The tote dispensing tool is easy to use, and instructions are included with each tool group. Also included are toll-free 800 numbers to receive assistance from an experienced professional on the ball valve tool, plus other accessories that may be useful per your specific installation.
The valve group should last for several years, but the cutting tool may dull, necessitating the replacement of the cutting tool only.



Part Number	Description
232-4452	Ball Valve Group
Group Consists of:	
232-4451	Ball Valve Assembly
232-4450	Cutting Tool
239-5289	Buttress Nipple

Cat® SCA

Application
- For regular maintenance use with Cat DEAC and other heavy duty diesel engine coolants requiring maintenence with SCA.
- For use in water-based cooling systems, such as marine appilcations that do not require glycol for antifreeze protection.
- Use for initial does in non-fully formulated (ASTM D4985) engine coolants.

Features
- Helps stop rust and mineral deposits from forming in the cooling system.

Benefits
- Protects all metals.
- Protects against cylinder liner cavitation and corrosion.
- Will not affect gaskets or hoses.



English Volume (gal)	Metric Volume (L)	Part Number
Cat SCA		
.063 (1/2 pint)	--	6V-3542
.125 (1 pint)	--	8T-1589
.250 (1 qt.)	--	3P-2044
5	--	8C-3680

English Volume (gal)	Metric Volume (L)	Part Number
Cat SCA (Continued)		
55	--	5P-2907
--	1	217-0616
--	20	217-0617
--	208	217-0618

Cat® NGEC™

Recommended Use
- Cat NGEC Premix 50/50 is a heavy-duty cooling system fluid especially designed to provide superior protection against pitting, freezing, and corrosion in Cat natural gas engines or natural gas engines made by other manufacturers.
- Cat NGEC meets the following ASTM standards:
- ASTM D6210 (Heavy-duty antifreeze/coolants)
- ASTM D3306 (Automotive applications)
- ASTM D1384 (Glassware corrosion test)

Discover the Difference
- Cat NGEC is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Fully Formulated - Does not require an initial supplemental cooling additive.
- Quick, easy servicing.

(Continued)

Cat® NGEC™ (Continued)

- Superior Protection - Contains both organic and inorganic corrosion inhibitors as well as antifoam additives. It provides superior protection against pitting, corrosion and freezing down to -37°C (-34°F).

Typical Characteristics {A}	
Color	Purple
Boiling protection with 15 psi pressure cap °C (°F) (ASTM D1177)	
50% Cat NGE/50% water	265 (129)
60% Cat NGEC/40% water (concentrate added)	270 (132)
Freezing protection °C (°F)	
50% Cat NGEC/50% water	-34 (-37)
60% Cat NGEC/40% water (maximum)	-62 (-52)
Ash content, % wt. (ASTM D1119)	0.60
Silicon concentrate (in the form of Silicates)	120 ppm
Ethylene Glycol (% volume)	45.3
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Part Number
--	210	362-2182 [1]
Cat NGEC Premix 50/50 with Embitterment		
--	1000	339-3766 [2]
1	--	339-3776
5	--	339-3777

English Volume (gal)	Metric Volume (L)	Part Number
Cat NGEC Premix 50/50 with Embitterment (Continued)		
55	--	339-3778
275	--	339-3779

[1] EAME Only
[2] Australia only

Cooling System Cleaner - Standard



Applications
- Cooling system cleaner; full effect after several weeks in the cooling system.
- Not for use in removing large amounts of oil from cooling systems.

Features
- Removes scale or lime deposits.

Benefits
- Cleans cooling system while the machine works.

English Volume (gal)	Metric Volume (L)	Part Number
0.500 (2 qt.)	--	6V-4511 [1]
--	1.89	185-5121 [2]

[1] NACD - North America
[2] EAME - Europe, Africa, Middle East

Cooling System Cleaner - Quick Flush

Applications

- For use as preventative maintenance or as a short-time flush at the time of coolant change.
- Not for use in removing large amounts of oil from cooling systems.

Features

- Removes lime deposits, scale and solder bloom.

Benefits

- Allows for one-step cleaning in just 90 minutes.



English Volume (gal)	Metric Volume (L)	Part Number
0.125 (1 pt)	--	4C-4609
0.250 (1 qt.)	--	4C-4610
1	--	4C-4611
5	--	4C-4612
55	--	4C-4613

Cooling Conditioner Test Kit

Applications

- Simple dip test takes just minutes to perform. Measures coolant nitrite levels.
- Use on coolants containing nitrites (for measuring nitrite levels)

Features

- Does not require dilution, titration or drops to count.

Benefits

- Includes a color density change for people with color blindness.



Product	Part Number
Coolant Conditioner Test Kit (100 test strips, sample, bottle, pipette)	4C-9301
Refill test strips	4C-9297

Battery and Coolant Refractometer

- Used to measure freezing point of coolants plus battery charge condition.
- Refractometer uses a prism and lens with simple focus adjustment to provide accurate and repeatable measurements on easy to read scales.
- Easy to operate.
- Automatic temperature compensation (ATC).
- Requires only 2 to 3 drops of solution.
- Carrying case and calibration screwdriver included.
- Reads degrees Centigrade and Fahrenheit.



Range	Resolution
-60 to 32°F propylene glycol freeze point	10°F
-50 to 0°C ethylene glycol freeze point	5°C
1.15 to 1.30 specific gravity of battery acid	0.01

Product	Part Number
Battery and Coolant Refractometer	245-5829

Battery, Coolant and Diesel Exhaust Fluid Refractometer

- Digital refractometer is simple to use and to read
- Used for measuring concentration levels for multiple fluids including ethylene glycol-based coolants such as Cat ELC and Cat DEAC, propylene glycol-based coolants, Cat ELI and battery charge condition
- Tool operating manual provides conversion for concentration of coolant glycol level to corresponding freeze protection level
- Automatic temperature compensation
- Requires only a few drops of fluid
- Case and cleaning cloth included

Product	Part Number
Brix Digital Refractometer	360-0774

Health and Safety

Cat Grease is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts. Under normal conditions of intended use, these products do not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, visit us on the web at www.catmsds.com.

Cat® Multipurpose Grease

Recommended Use

- Cat Multipurpose Grease is recommended for use in low-load, low-speed applications and ambient temperatures ranging from -30° to 40°C (-22° to 104°F).

Discover the Difference

- Reduced Component Wear - Resists softening and protects parts from wear.
- Corrosion Protection - Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys or conventional seal materials.
- Excellent General Purpose - Lithium complex grease for applications where load, speed, temperature and moisture conditions are low.



Typical Characteristics {A}	
NGLI #	2
Ambient Range	-30° to +40°C (-22° to +104°F)
Operating Range	-32° to +149°C (-25° to +300°F)
Base Fluid Type	Petroleum
Thickener Type	Lithium Complex
Color	Blue
% Molybdenum disulfide	0
Worked Penetration (mm)	265-295
% Change/100,000 stroke	-5 to +15
Roll Stability w/H2O, % change	N/A
Viscosity Index, Min	N/A
Viscosity @ 100°C, cSt	19.5-22.5
Viscosity @ 40°C, cSt	230-245
4 Ball Wear (mm) Max, Typ.	0.75
4 Ball E.P. Weld Point (kg) Min.	315
Timken E.P. Test OK load (lb) Typ.	55 Min
Oxidation-psi drop/500 hr Max	N/A
Rust Test	Pass
Copper Corrosion	1b
Dropping Point	+260°C (+500°F)
{A} The values shown below are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (lb)	Metric Volume (kg)	Part Number
NLGI Grade #2		
14 oz (cartridge)	397 g (cartridge)	1P-0808
14 oz (cartridge)	--	324-8141 [2]
15.9 oz (cartridge)	450 g (cartridge)	129-1950 [1]
35 (metal pail)	16 (metal pail)	129-1919
35 lb (plastic pail)	--	324-8142 [2]

English Volume (lb)	Metric Volume (kg)	Part Number
NLGI Grade #2 (Continued)		
35 (plastic pail)	16 (plastic pail)	7X-7664
120 (keg)	54 (keg)	9X-6488
400 (drum)	181 (drum)	7X-7665
400 lb (drum)	--	324-8143 [2]
3500 (tote)	1588 (tote)	129-1921

[1] Australia use
[2] China Only

Cat® Advanced 3Moly Grease



Recommended Use

- Cat Advanced 3Moly Grease is recommended for use in medium-load and medium-speed applications with ambient temperatures ranging from -20° to 40°C (-4° to 104°F).

Discover the Difference

- Long Life - Lithium Complex formula enhanced with 3% molybdenum disulfide (moly), Cat Advanced 3Moly Grease is an excellent grease for applications where speed, load and temperature are moderate and moisture is low.
- Reduced Component Wear - Resists softening and protects parts from wear.
- Corrosion Protection - Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys or conventional seal materials.

Typical Characteristics {A}	
NGLI #	2
Ambient Range	-20° to +40°C (-4° to +104°F)
Operating Range	-21° to +149°C (-5° to +300°F)
Base Fluid Type	Petroleum
Thickener Type	Lithium Complex
Color	Gray
% Molybdenum disulfide	3
Worked Penetration (mm)	265-295
% Change/100,000 stroke	10 Max
Roll Stability w/H2O, % change	N/A
Viscosity Index, Min	N/A
Viscosity @ 100°C, cSt	22
Viscosity @ 40°C, cSt	320
4 Ball Wear (mm) Max, Typ.	0.55
4 Ball E.P. Weld Point (kg) Min.	315
Timken E.P. Test OK load (lb) Typ.	55 Min
Oxidation-psi drop/500 hr Max	N/A
Rust Test	Pass
Salt Fog Test, hours	N/A
Copper Corrosion	1b
Dropping Point	+260°C (+500°F)
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (lb)	Metric Volume (kg)	Part Number
NLGI Grade #2 (3% Moly)		
14 oz (cartridge)	397 g (cartridge)	5P-0960
14 oz (cartridge)	--	324-8140 [1]
15.9 oz (cartridge)	450 g (cartridge)	129-1952 [2]
35 (plastic pail)	16 (plastic pail)	7X-7699
35 lb (plastic pail)	--	324-8139 [1]

English Volume (lb)	Metric Volume (kg)	Part Number
NLGI Grade #2 (3% Moly) (Continued)		
35 (metal pail)	16 (metal pail)	129-1924
120 (keg)	54 (keg)	9X-6489
400 (drum)	181 (drum)	7X-7701
400 lb (drum)	--	324-8138 [1]
3500 (tote)	1588 (tote)	129-1926

[1] China Only
[2] Australia use

Cat® Ultra 5Moly Grease

Recommended Use

- Cat Ultra 5Moly Grease is formulated for use in high-load and high-speed applications with ambient temperatures ranging from -35° to 40°C (-31° to 104°F) for NLGI #1, -30° to 50°C (-22° to 122°F) for NLGI #2, and -40°C to 36°C (40°F to 95°F) for NLGI #0.



Discover the Difference

- Moisture Resistance - Resists washout from fresh and salt water.
- Long Life - High-quality Calcium Sulfonate Complex formula with 5% molybdenum disulfide (moly) provides long service life in Cat applications.
- Reduced Component Wear - Resists softening and continues to protect parts under extreme loads and high speeds.
- Corrosion Protection - Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys or conventional seal materials.
- Low Environmental Risk - Formulated to use no lead, antimony, zinc, barium, chlorine, phosphorus or free sulfur.

Typical Characteristics {A}			
NGLI #	0	1	2
Ambient Range	-40° to +35°C (-40° to +95°F)	-35° to +40°C (-31° to +104°F)	-30° to +50°C (-22° to +122°F)
Operating Range	-45° to +149°C (-49° to +300°F)	-40° to +149°C (-40° to +300°F)	-32° to +149°C (-25° to +300°F)
Base Fluid Type	Petroleum	Petroleum	Petroleum
Thickener Type	Calcium Sulfonate Complex	Calcium Sulfonate Complex	Calcium Sulfonate Complex
Color	Gray	Gray	Gray
% Molybdenum disulfide	5	5	5
Worked Penetration (mm)	355-385	310-340	265-295
% Change/100,000 stroke	+/-5	+/-5	+/-5
Roll Stability w/H2O, % change	+/-5	+/-5	+/-5
Viscosity Index, Min	N/A	N/A	N/A
Viscosity @ 100°C, cSt	7	11.5	11.5
Viscosity @ 40°C, cSt	64	150	150
4 Ball Wear (mm) Max, Typ.	0.5	0.5	0.5
4 Ball E.P. Weld Point (kg) Min.	620	620	620
Timken E.P. Test OK load (lb) Typ.	60	60	60
Oxidation-psi drop/500 hr Max	N/A	N/A	N/A
Rust Test	Pass	Pass	Pass
Salt Fog Test, hours	+4,000	+4,000	+4,000
Copper Corrosion	1a	1a	1a
Dropping Point	+288°C (+550°F)	+288°C (+550°F)	+288°C (+550°F)
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.			

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Cat® Ultra 5Moly Grease (Continued)

English Volume (lb)	Metric Volume (kg)	Part Number
NLGI Grade #0		
400 (drum)	181 (drum)	206-7406
2000 lb (disposable tote)	907 kg	344-4001
3500 (tote)	1588 (tote)	206-7411
NLGI Grade #1		
14 oz (cartridge)	397 g (cartridge)	161-9203
15.9 oz (cartridge)	450 g (cartridge)	197-9227 [1]
35 (plastic pail)	16 (plastic pail)	183-3432
35 (metal pail)	16 (metal pail)	266-8562 [1]
120 (keg)	54 (keg)	161-0970
400 (drum)	181 (drum)	161-0971
2000 lb (disposable tote)	907 kg	344-4000
3500 (tote)	1588 (tote)	266-8564

English Volume (lb)	Metric Volume (kg)	Part Number
NLGI Grade #2		
14 oz (cartridge)	397 g (cartridge)	183-3424
15.9 oz (cartridge)	450 g (cartridge)	183-3425 [1]
35 (plastic pail)	16 (plastic pail)	183-3426
35 (metal pail)	16 (metal pail)	266-8563 [1]
120 (keg)	54 (keg)	183-3427
400 (drum)	181 (drum)	183-3428
2000 lb (disposable tote)	907 kg	344-3999
3500 (tote)	1588 (tote)	183-3429

[1] Australia use

Cat® Desert Gold Grease



Recommended Use

- Cat Desert Gold Grease is recommended for use in all load and speed applications and ambient temperature ranges of -20° to 60°C (-4° to 140°F).

Discover the Difference

- Extreme Heat Operation - Performs and protects where ambient temperatures are regularly above 32° C (90°F).
- Extreme Life - High-quality Calcium Sulfonate Complex synthetic base with 5% molybdenum disulfide (moly) delivers unmatched performance in Cat applications.
- Moisture Resistance - Resists washout from fresh and salt water.
- Reduced Component Wear - Resists softening and continues to protect parts under extreme loads and high speeds.
- Corrosion Protection - Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys or conventional seal materials.
- Low Environmental Risk - Is formulated not to contain lead, antimony, zinc, barium, chlorine, phosphorus or free sulfur.

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Cat® Desert Gold Grease (Continued)

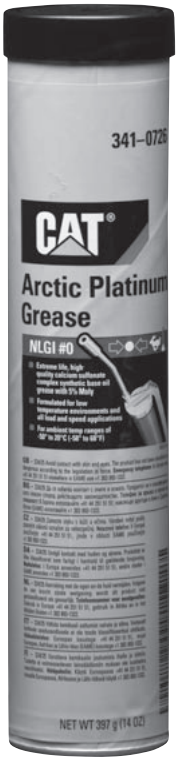
Typical Characteristics {A}	
NGLI #	2
Ambient Range	-20° to +60°C (-4° to +140°F)
Operating Range	-23° to +2320°C (-10° to +4500°F)
Base Fluid Type	Synthetic
Thickener Type	Calcium Sulfonate Complex
Color	Gold
% Molybdenum disulfide	5
Worked Penetration (mm)	265-295
% Change/100,000 stroke	+/-1
Roll Stability w/H2O, % change	+/-1
Viscosity Index, Min	125
Viscosity @ 100°C, cSt	38-42
Viscosity @ 40°C, cSt	370-425
4 Ball Wear (mm) Max, Typ.	0.45
4 Ball E.P. Weld Point (kg) Min.	620
Timken E.P. Test OK load (lb) Typ.	65
Oxidation-psi drop/500 hr Max	5
Rust Test	Pass
Salt Fog Test, hours	+1,100
Copper Corrosion	1a
Dropping Point	+302°C (+575°F)
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (lb)	Metric Volume (kg)	Part Number
NLGI Grade #2		
14 oz (cartridge)	397 g (cartridge)	129-1938
15.9 oz (cartridge)	450 g (cartridge)	129-1937 [1]
35 (plastic pail)	16 (plastic pail)	129-1941
35 (metal pail)	16 (metal pail)	129-1942

English Volume (lb)	Metric Volume (kg)	Part Number
NLGI Grade #2 (Continued)		
120 (keg)	54 (keg)	129-1943
400 (drum)	181 (drum)	129-1944
3500 (tote)	1588 (tote)	129-1946

[1] Australia use

Cat® Arctic Platinum Grease



Recommended Use

- Cat Arctic Platinum Grease is recommended for use in all load and speed applications and ambient temperature ranges of -50° to 20°C (-58° to 68°F).

Discover the Difference

- Extreme-Cold Operation - Performs and protects where ambient temperatures are regularly below 0°F.
- Extreme Life - High-quality Calcium Sulfonate Complex synthetic base with 5% molybdenum disulfide (moly) delivers unmatched performance in Cat applications.
- Moisture Resistance - Resists washout from fresh and salt water.
- Reduced Component Wear - Resists softening and continues to protect parts under extreme loads and high speeds.
- Corrosion Protection - Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys or conventional seal materials.
- Low Environmental Risk - Is formulated not to contain lead, antimony, zinc, barium, chlorine, phosphorus or free sulfur.

Typical Characteristics {A}	
NGLI #	0
Ambient Range	-50° to +20°C (-58° to +68°F)
Operating Range	-57° to +135°C (-70° to +275°F)
Base Fluid Type	Synthetic
Thickener Type	Calcium Sulfonate Complex
Color	Platinum
% Molybdenum disulfide	5
Worked Penetration (mm)	355-385
% Change/100,000 stroke	+/-5
Roll Stability w/H2O, % change	+/-5
Viscosity Index, Min	125
Viscosity @ 100°C, cSt	5-7
Viscosity @ 40°C, cSt	30-40
4 Ball Wear (mm) Max, Typ.	0.45
4 Ball E.P. Weld Point (kg) Min.	620
Timken E.P. Test OK load (lb) Typ.	65
Oxidation-psi drop/500 hr Max	5
Rust Test	Pass
Salt Fog Test, hours	N/A
Copper Corrosion	1a
Dropping Point	+260°C (+500°F)
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (lb)	Metric Volume (kg)	Part Number
NLGI Grade #0		
14 oz (cartridge)	64 (cartridge)	341-0726
35 (plastic pail)	16 (plastic pail)	129-8708
120 (keg)	54 (keg)	129-8709
400 (drum)	181 g (drum)	129-8710
2000 (disposable tote)	907 (tote)	344-4002

Cat® High Speed Ball Bearing Grease

Recommended Use

- Electric motors, fan drives, starters, alternators, generators
- It can also be used in automotive and industrial applications, especially where equipment is operated intermittently in severe conditions.

Discover the Difference

- Formulated with synthetic thickener and corrosion inhibitors, High Speed Ball Bearing Grease provides excellent lubrication in ball and roller bearings operating over a broad temperature range.
- High-Stress Performance - Provides outstanding protection at high speeds (10,000 rpm and greater) and the high temperatures (163°C/325°F) associated with high speeds.
- Moisture Resistance - Resists wash out from fresh and salt water.
- Increased Component Life - Heat resistance provides improved protection, reducing component wear rates.
- Low-Temperature Operation - Remains mobile in temperatures as low as -30°C (-22°F).

Typical Characteristics {A}	
NGLI #	2
Ambient Range	-20° to +40°C (-4° to +104°F)
Operating Range	-40° to +163°C (-40° to +325°F)
Base Fluid Type	Petroleum
Thickener Type	Polyurea
Color	Blue-Green
% Molybdenum disulfide	0
Worked Penetration (mm)	265-295
% Change/100,000 stroke	+/-1
Roll Stability w/H2O, % change	N/A
Viscosity Index, Min	N/A
Viscosity @ 100°C, cSt	9-13
Viscosity @ 40°C, cSt	95-110
4 Ball Wear (mm) Max, Typ.	N/A
4 Ball E.P. Weld Point (kg) Min.	N/A
Timken E.P. Test OK load (lb) Typ.	N/A
Oxidation-psi drop/500 hr Max	5
Rust Test	Pass
Salt Fog Test, hours	+1,100
Copper Corrosion	1a
Dropping Point	+260°C (+500°F)
{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (gal)	Metric Volume (L)	Part Number
NLGI #2		
14 oz (cartridge)	397 g (cartridge)	2S-3230

White Assembly Grease

Applications

- For use in general assembly and other light-duty applications.

Features

- Added tackifiers, making it ideal for holding gears, bearings, gaskets and other parts during assembly.
- Contains no molybdenum disulfide.

Benefits

- Exceptional general purpose Lithium Complex grease.

(Continued)

White Assembly Grease (Continued)

English Volume (gal)	Metric Volume (L)	Part Number
NLGI #0		
10 oz (tube)	254 g (tube)	266-9682
NLGI #2		
14 oz (cartridge)	397 g (cartridge)	129-1966
35 (plastic pail)	16 (plastic pail)	129-1969

Cat® Hammer Paste



Cat® Hydraulic Hammer Paste (Grease) is formulated to lower friction and improve tool and bushing life in the harsh environments encountered with hydraulic impact hammer applications. These work tools generate high heat, severe shock, and heavy friction loads, which can fuse parts together. Cat Hydraulic Hammer Paste is made from copper and graphite to provide excellent wear protection even at temperatures higher than 2,000°F (1,093°C).

Performance

- Formulated for extreme temperatures and applications
- Strong adhesion, even in the presence of water

Protection

- Significantly slows wear
- Prevents seizing
- Extremely stable and corrosion resistant

Typical Characteristics *	
Color	Copper
NLGI Class	2
Thicker Type	Aluminum Complex
Base Oil Type	Mineral
Operating Range	-20 to 1,100°C (-4 to 2,012°F)
Worked Penetration (mm)	265-295
Viscosity @ 40°C, cSt	350
4 Ball E.P. Weld Point (kg)	400
Dropping Point	260°C (500°F)
* The values shown are typical values and should not be used as quality control parameters	

English Volume (gal)	Metric Volume (L)	Part Number
NLGI #2		
14 oz (cartridge)	397 g (cartridge)	130-6951
11 lbs (tub)	5 kg (tub)	133-8807
--	400 g (auto lube cartridge)	317-8491
--	12 pack (auto lube cartridge)	317-8492

High Vacuum Grease

- Applications where maintaining a seal under vacuum or pressure is required.

English Volume (gal)	Metric Volume (L)	Part Number
4 oz (cartridge)	113 g (cartridge)	186-1530

Ultra Synthetic Generator Grease

- Clay-thickened, synthetic based oil, multi-service grease.
- Provides low temperature breakaway performance.

English Volume (gal)	Metric Volume (L)	Part Number
NLGI #1.5		
14 oz (cartridge)	397 g (cartridge)	108-8611



Cat Multipurpose Marine Grease

Recommended Use

- Cat Multipurpose Marine Grease is recommended for use in medium load and high speed applications and ambient temperature ranges of -30° to 175°C (-22° to 347°F).
- Long Life - High quality Calcium Sulfonate Complex base delivers unmatched performance in marine applications.
- Moisture Resistance - Resists washout from fresh and salt water.
- Reduced Component Wear - Resists softening and continues to protect parts under medium loads and high speeds.
- Corrosion Protection - Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys or conventional seal materials.
- Low Environmental Risk - Is formulated not to contain lead, antimony, zinc, barium, chlorine, phosphorus or free sulfur.



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Cat Multipurpose Marine Grease (Continued)

Typical Characteristics*	
Color	Blue Green
NLGI Grade	2
Thickener	Overbased Calcium Sulfonate
Base Oil	Petroleum
Operating Range	-30° to -175°C (-22° to 347°F)
Viscosity Index, Min	95
Viscosity CST @ 40°C	110
Viscosity CST @ 100°C	12
Penetrsation Worked 60 Strokes	265-295
% Change/10,000 Stroke	+/-2
% Change/100,000 Stroke	+/-5
Oil Separation 24 Hrs @ (77°F)	0.25
Roll Stability Penetration w/H2O, % change	+/-1
4 Ball Wear Test (mm) Scar (kg)	40
4 Ball E.P. Test Weld Point (kg)	500
Load Wear Index (kg)	65
Timken E.P. Test OK Load (lb) Typ.	65
Rust Test	Pass
Salt Fog Test, hours	+4,000
Water Washout @ 79°C (175°F), % loss	275
Wheel Bearing Leakage Grams Modified @ 163°C (325°F)	0.4
Dropping Point	298°C (570°F)
*Values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.	

English Volume (lb)	Metric Volume (kg)	Part Number
14 oz (cartridge)	397 g (cartridge)	347-9017
35 (plastic pail)	16 (plastic pail)	347-9016

Filters and Fluids Marketing Media

Cat Customers: For more information about the materials listed below, contact your local Cat Dealer.
Cat Dealer Personnel: This information can be accessed in the Global Sales Library, gsl.cat.com.

Coolants

Media Number	Description	Type of Product	Type of Media
PEHP9554	Cat® DEAC™	Coolant	Datasheet
PEHJ0067	Cat® ELC™	Coolant	Datasheet
PEHJ0263	Cat® ELI™	Coolant	Datasheet
PEHJ0040	Cat® NGEC™	Coolant	Datasheet

Lubricants

Media Number	Description	Type of Product	Type of Media
PEHP6047	Cat® Bio HYDO™ Advanced	Lubricant	Datasheet
PEHJ0021	Cat® DEO™ (Worldwide except North America, Egypt, Saudi Arabia, Brazil)	Lubricant	Datasheet
PEHJ0091	Cat® DEO™ (Egypt & Saudi Arabia)	Lubricant	Datasheet
PEHJ0059	Cat® DEO™ (North America)	Lubricant	Datasheet
PEHP0093	Cat® DEO™ (Monograde)	Lubricant	Datasheet
PEHJ0159	Cat® DEO-ULS™	Lubricant	Datasheet
PEHJ0008	Cat® DEO-ULS™ Cold Weather	Lubricant	Datasheet
PEHP9530	Cat® FDAO™	Lubricant	Datasheet
PEHP9570	Cat® FDAO SYN™	Lubricant	Datasheet
HEHS3003	Cat® Fluids: Oils (Asia and Europe, Africa, Middle East)	Lubricant	Datasheet
PEHP7508	Cat® GO	Lubricant	Datasheet
PEHJ0182	Cat® HYDO™ Advanced 10	Lubricant	Datasheet
PEHJ0214	Cat® HYDO™ Advanced 30	Lubricant	Datasheet
PEHP3050	Cat® MTO	Lubricant	Datasheet
PEHP0004	Cat® NGEO™	Lubricant	Datasheet
PEHJ0218	Cat® NGEO™ Advanced 40 (Pakistan)	Lubricant	Datasheet
PEHP9574	Cat® NGEO™ EL250	Lubricant	Datasheet
PEHJ0006	Cat® NGEO™ EL350	Lubricant	Datasheet
PEHJ0030	Cat® Synthetic GO	Lubricant	Datasheet
PEHP7506	Cat® TDTO™	Lubricant	Datasheet
PEHJ0007	Cat® TDTO™ Cold Weather	Lubricant	Datasheet
PEHP8035	Cat® TDTO-TMS™	Lubricant	Datasheet

Greases

Media Number	Description	Type of Product	Type of Media
PEHP0002	Cat® Advanced 3Moly Grease	Grease	Datasheet
NEHP6011	Cat® Arctic Platinum™ Grease	Grease	Datasheet
NEHP6012	Cat® Desert Gold™ Grease	Grease	Datasheet
PEHJ0267	Cat® Generator Grease	Grease	Datasheet
NEHP6015	Cat® High Speed Ball Bearing Grease	Grease	Datasheet
PEHJ0255	Cat® Hydrauilc Hammer Paste	Grease	Datasheet
PEHJ0088	Cat® Multipurpose Grease	Grease	Datasheet
PEHJ0264	Cat® Multipurpose Marine Grease	Grease	Datasheet
NEHP6010	Cat® Ultra 5Moly Grease	Grease	Datasheet

Filters

Media Number	Description	Type of Product	Type of Media
PEHJ0068	Cat® Advanced Efficiency Engine Oil Filters	Engine Oil Filters	Datasheet
PEHP9013	Cat® Air Filter Service Indicator	Air Filters	Datasheet
PEHJ0156	Cat® Bulk Fuel Filtration Systems	Fuel Filters	Datasheet
PEHJ0092	Cat® Cabin Air Filters	Air Filters	Datasheet
PEHJ0082	Cat® Fuel Water Separators and PrimeTime™ Priming Pumps	Fuel Filters	Datasheet
PEHJ0069	Cat® Hydraulic and Transmission Filters	Hydraulic and Power Train Filters	Datasheet
PEHJ0165	Cat® Open Crankcase Ventilation Filters	Power Train Filters	Datasheet
PEHJ0198	Cat® Preventive Maintenance Products for Cat Natural Gas Engines	Filters	Datasheet
PEHP7032	Cat® Radial Seal Air Filters	Air Filters	Datasheet
PEHJ0251	Cat® Transmission Filters	Transmission Filters	Datasheet
PEHP7077	Cat® Turbine PreCleaners	Air Filters	Datasheet
PEHP6028	Cat® UHE Air Filters	Air Filters	Datasheet
LEDQ6225	Cat® The Inside Story: Cat Fuel, Oil, and Transmission Filters	Fuel, Oil and Power Transmission Filters	Brochure

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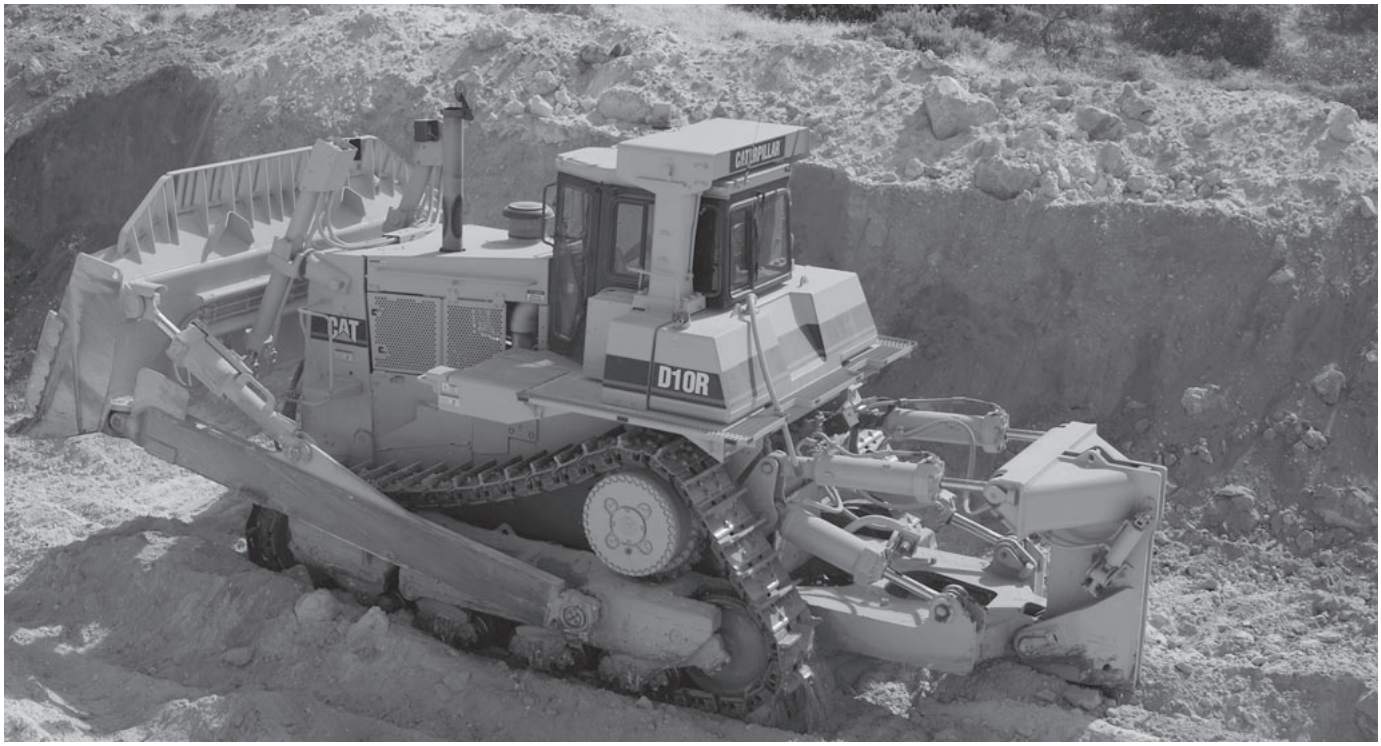
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Cat® DEAC™

Concentrate



Prevents Freezing While Providing Superior Component Protection

Cat® DEAC™ (Diesel Engine Antifreeze/Coolant) is a heavy-duty cooling system fluid designed to prevent freezing and boiling while providing superior component protection. Approved for use in all Cat machines, commercial engine and truck engine applications, as well as, in most diesel, gas, or natural gas engines made by other manufacturers (follow OEM recommendations).



Benefits

Performance
Cat DEAC protects the cooling system in your equipment over a temperature range of -34°F (-37°C) to 265°F (129°C) when used as a 50/50 percent mix with water (recommended). Additional freeze protection can be gained when the coolant concentration is raised to 60%.

Component Protection
Cat DEAC contains inhibitors that provide superior protection for metal components, especially aluminum, against pitting and corrosion. The formulation of Cat DEAC minimizes the formation of foam.

Convenience
Cat DEAC is a fully formulated and embittered concentrate that is ready to be mixed with water. No Supplemental Coolant Additive is needed until testing indicates.

CATERPILLAR®

Cat DEAC

Cat DEAC Provides Top Component Protection

Aluminum can be a very difficult metal to protect from corrosion and cavitation (boiling) damage. Cat DEAC is formulated to provide excellent protection for all metals used in cooling systems. In testing (ASTM D2809) with aluminum water pumps, Cat DEAC demonstrated its superior ability to protect compared to competitive heavy duty coolants.



Cat® DEAC™ protected this water pump and earned a nine out of ten on the test.



Results using a competitive heavy duty coolant that claimed to meet industry standards. The test score for this coolant was less than 4.

Typical Characteristics[1]	
ASTM Specification	ASTM D6210
Color	Magenta
Boiling protection – 15 psi (1 bar) radiator cap	
50% Cat DEAC/50% water	129°C (265°F)
60% Cat DEAC/40% water[2]	132°C (270°F)
Freeze protection	
50% Cat DEAC/50% water	-37°C (-34°F)
60% Cat DEAC/40% water[2]	-52°C (-62°F)
pH (50% solution)	10.5
Nitrite (50% solution)	1,200 ppm
Molybdate (50% solution)	310 ppm
Silicon (in the form of silicates) (50% solution)	120 ppm
Phosphate	0 ppm

[1]The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

[2]Higher levels of glycol reduces the heat transfer performance of the coolant. For optimum performance, Caterpillar recommends a 50/50 percent mix of Cat DEAC and water, unless additional freeze protection is required.

Formulated to meet or exceed the following ASTM standards: D3306, D4985, D6210, TMC RP302, TMC RP329

Drain Interval

When used in Cat diesel engines and equipment and when properly maintained with Cat SCA, Cat DEAC has a drain interval of whichever comes first:

- 3,000 service hours
- 3 years
- 200,000 miles (321,869 kilometers)

S•O•S℠ Fluid Analysis Services for Early Problem Detection

Protect your investment with Cat S•O•S Coolant Analysis, the ultimate detection and diagnostic tool for your engines. Refer to the Caterpillar Operation and Maintenance Manual for the recommended intervals of S•O•S Level 1 Coolant Analysis (such as every 250 hours). Level 2 Coolant Analysis is recommended at least annually for all Caterpillar engines and machines.

Testing Nitrite Levels

Field testing of coolant nitrite levels can be performed using the 4C-9301 test kit. Results are immediate and SCA additions can be made as needed.

Coolant Maintenance Resources

For in-depth information on coolant maintenance, refer to the Cooling System Specifications section of the latest version of SEBU6250 – Caterpillar Machine Fluids Recommendations or SEBU6251 – Caterpillar Commercial Diesel Engine Fluids Recommendations.

Health and Safety

For information on proper use for health, safety, and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measures. For a copy of the MSDS, contact us or visit the web at www.catmsds.com.

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CATERPILLAR®
TODAY'S WORK. TOMORROW'S WORLD.™

Cat® ELC

Extended Life Coolant for Caterpillar and original equipment manufacturer (OEM) diesel and gasoline engines

50/50 Premix



Recommended Use

Cat ELC meets or exceeds the requirements of the following specifications and guidelines:

- Cat EC-1
- TMC RP-329
- TMC RP-338
- ASTM D-3306
- ASTM D-6210
- SAE J1034

Cat ELC also meets the performance requirements of Cummins, Detroit Diesel, International, Mack and Volvo.

Discover the Difference

Cat ELC is developed, tested and approved by Caterpillar to meet the same high standards as all Genuine Cat Parts.

- Factory-Fill—Used as standard factory-fill for all Cat machine cooling systems.
- Lower Maintenance Costs—Reduces engine coolant and additive costs by as much as 500% compared to conventional coolants. It eliminates the need for supplemental coolant additives, extends coolant change-out intervals and reduces disposal requirements.
- Advanced Metal Protection—Incorporates an advanced formula technology with organic acid additive corrosion inhibitors, such as a combination of mono and dicarboxylates for maximum protection of copper, solder, brass, steel, cast iron and aluminum.

CATERPILLAR®

Cat® ELC

Cat ELC for Maximum Coolant Life

Cat DEAC™

3000 Hour Life or
333,000 km (200,000 miles)
Cat Supplemental Coolant Additives Every 250 Hours
or 25,000 km (15,000 miles)

Cat ELC (Machines and Commercial Engines)

Cat Extender Every 6000 Hours*

12,000 Hour Life or 6 Years**
(whichever comes first)

Cat ELC (Truck Engines)

Cat Extender Every 500,000 km (300,000 miles)* **1,000,000 km (600,000 miles) or 6 Years****
(whichever comes first)

* Or one-half of the coolant service life.
** These coolant change intervals are only possible with annual S•O•S Level 2 coolant sampling and analysis.

Typical Characteristics*

Color	Strawberry Red
Boiling protection with 15 psi (1 bar) radiator cap	
50% Cat ELC/50% water	129°C (265°F)
60% Cat ELC/40% water (ELC concentrate added)	132°C (270°F)
Freezing protection	
50% Cat ELC/50% water	-37°C (-34°F)
60% Cat ELC/40% water (ELC concentrate added)	-52°C (-62°F)
Nitrite (50% solution)	500 ppm
Molybdate (50% solution)	530 ppm

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

S•O•S℠ services for early problem detection

Protect your investment with Cat S•O•S Coolant Analysis, the ultimate detection and diagnostic tool for your equipment. We recommend S•O•S Level 1 Coolant Analysis according to the engine's Operation and Maintenance Manual, and Level 2 Coolant Analysis annually for all your Cat equipment.

Cat ELC Extender for Longer Life

- Exceeds Cat EC-1 performance requirements
- Protects against cylinder liner/block pitting and cavitation erosion
- Should be added at 500,000 km (300,000 miles) for Cat powered on-highway trucks and 6,000 hours for commercial engines
- Extender is only necessary once during the life of the coolant
- Ensures Cat ELC performance to 1,000,000 km (600,000 miles) or 12,000 hours

Cat ELC Extender and Flush Intervals

Cat ELC Extender should be added after 6,000 hours or 300,000 miles (500,000 km) of operation, and the system should be drained and flushed with clean water after 12,000 hours or 600,000 miles (1,000,000 km). No cleaning agents are needed. If S•O•S℠ Services are used regularly, safe operation with Cat ELC may extend beyond 12,000 hours.

Health and Safety

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, visit us on the web at www.catmsds.com.

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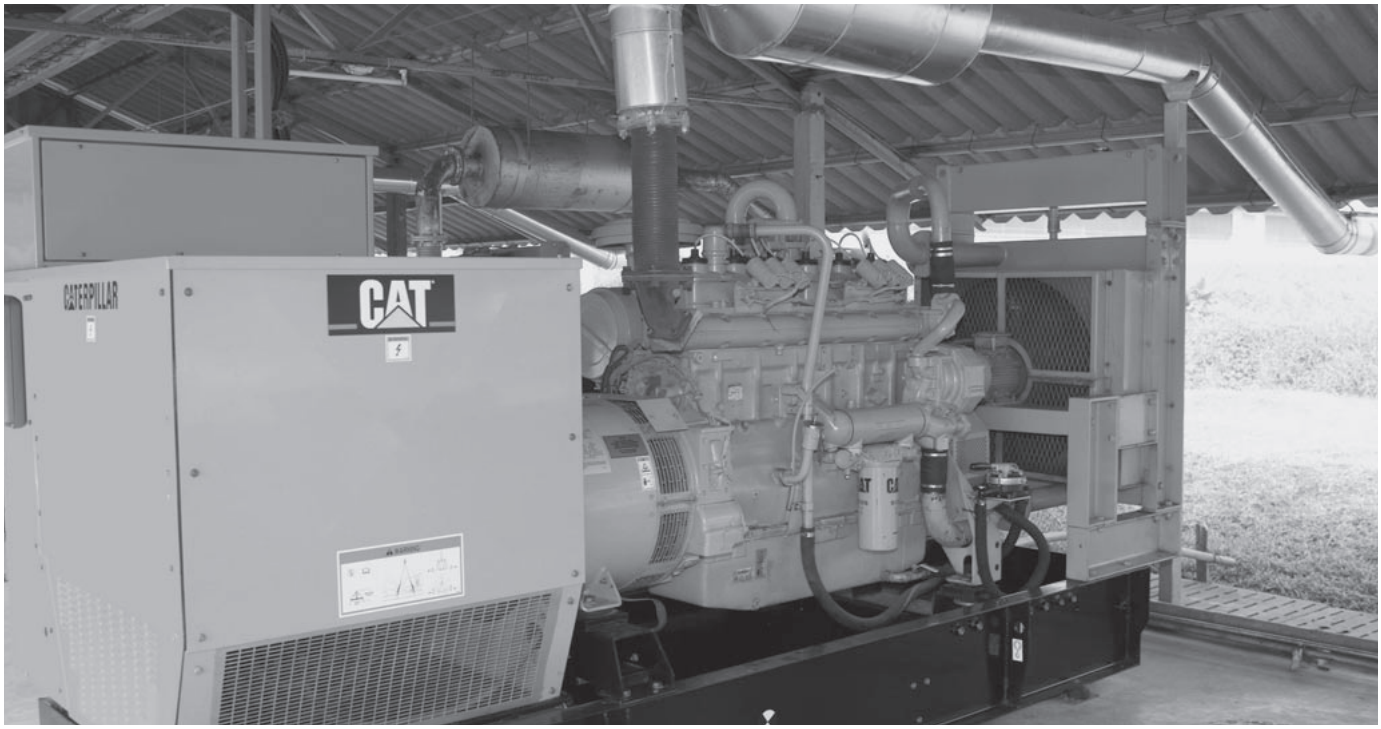
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Cat® NGEC™

Premix 50/50



Prevents Freezing While Providing Superior Component Protection

Cat® NGEC™ (Natural Gas Engine Coolant) is a heavy-duty cooling system fluid designed to prevent freezing and boiling while providing superior component protection. Approved for use in all Cat natural gas and diesel engines, as well as, in most diesel, gas, or natural gas engines made by other manufacturers (follow OEM recommendations).



Benefits

Performance

Cat NGEC protects the cooling system of your natural gas engine over a temperature range of -34°F (-37°C) to 265°F (129°C). Additional freeze protection can be gained when the coolant concentration is raised to 60%.

Component Protection

Cat NGEC contains inhibitors that provide superior protection for metal components, especially aluminum, against pitting and corrosion. The formulation of Cat NGEC minimizes the formation of foam.

Ready-To-Use

Cat NGEC is premixed with deionized water and embitterment. No Supplemental Coolant Additive is needed until testing indicates.

CATERPILLAR®

Cat NGEC

Cat NGEC Provides Top Component Protection

Aluminum can be a very difficult metal to protect from corrosion and cavitation (boiling) damage. Cat NGEC is formulated to provide excellent protection for all metals used in cooling systems. In testing (ASTM D2809) with aluminum water pumps, Cat NGEC demonstrated its superior ability to protect compared to competitive heavy duty coolants.



Cat® NGEC™ protected this water pump and earned a nine out of ten on the test.



Results using a competitive heavy duty coolant that claimed to meet industry standards. The test score for this coolant was less than 4.

Typical Characteristics[1]	
ASTM Specification	ASTM D6210
Color	Magenta
Boiling protection – 15 psi (1 bar) radiator cap	
50% Cat NGEC/50% water	129°C (265°F)
60% Cat NGEC/40% water[2]	132°C (270°F)
Freeze protection	
50% Cat NGEC/50% water	-37°C (-34°F)
60% Cat NGEC/40% water[2]	-52°C (-62°F)
pH (50% solution)	10.5
Nitrite (50% solution)	1,200 ppm
Molybdate (50% solution)	310 ppm
Silicon (in the form of silicates) (50% solution)	120 ppm
Phosphate	0 ppm

[1]The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

[2]Higher levels of glycol reduces the heat transfer performance of the coolant. For optimum performance, Caterpillar recommends a 50/50 percent mix of Cat NGEC and water, unless additional freeze protection is required.

Formulated to meet or exceed the following ASTM standards: D3306, D4985, D6210, TMC RP302, TMC RP329

Drain Interval

When used in Cat natural gas engines and properly maintained with Cat SCA, Cat NGEC has a drain interval of three years. Refer to the Operation and Maintenance Manual of your specific machine/engine for drain intervals based on service hours.

S•O•S℠ Fluid Analysis Services for Early Problem Detection

Protect your investment with Cat S•O•S Coolant Analysis, the ultimate detection and diagnostic tool for your engines. Refer to the Caterpillar Operation and Maintenance Manual for the recommended intervals of S•O•S Level 1 Coolant Analysis (such as every 250 hours). Level 2 Coolant Analysis is recommended at least annually for all Cat engines and machines.

Testing Nitrite Levels

Field testing of coolant nitrite levels can be performed using the 4C-9301 test kit. Results are immediate and SCA additions can be made as needed.

Coolant Maintenance Resources

For in-depth information on coolant maintenance, refer to the Cooling System Specifications section of the latest version of SEBU6400 – Caterpillar Gas Engine Lubricant, Fuel, and Coolant Recommendations.

Health and Safety

For information on proper use for health, safety, and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measures. For a copy of the MSDS, contact us or visit the web at www.catmsds.com.

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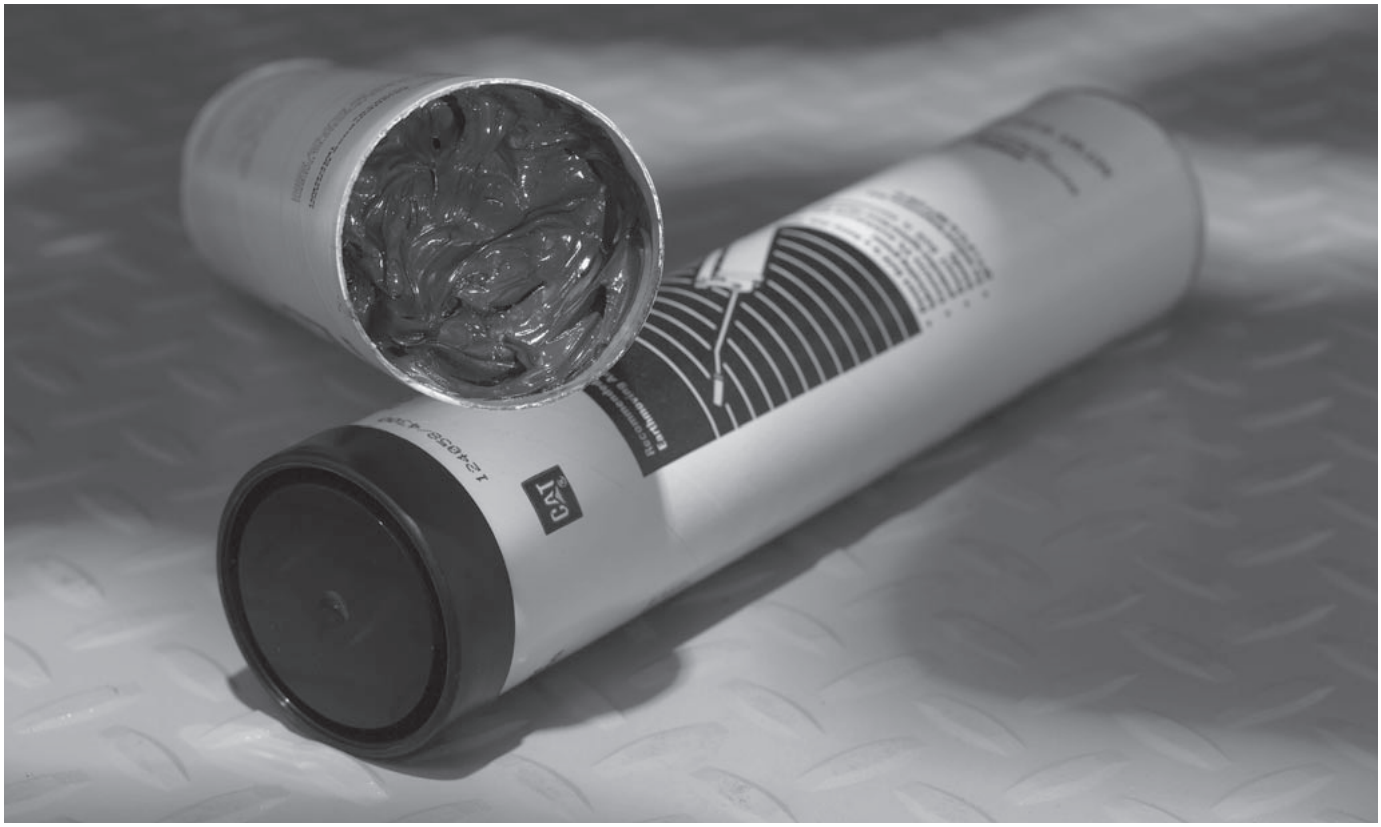
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Cat® Advanced 3Moly Grease

For grease fittings and lubrication points in medium-load and medium-speed applications. **NLGI Grade 2**



Recommended Use

Cat Advanced 3Moly Grease is recommended for grease fittings and lubrication points in medium-load and medium-speed applications with ambient temperatures ranging from –20° to 40° C (–4° to 104° F).

Discover the Difference

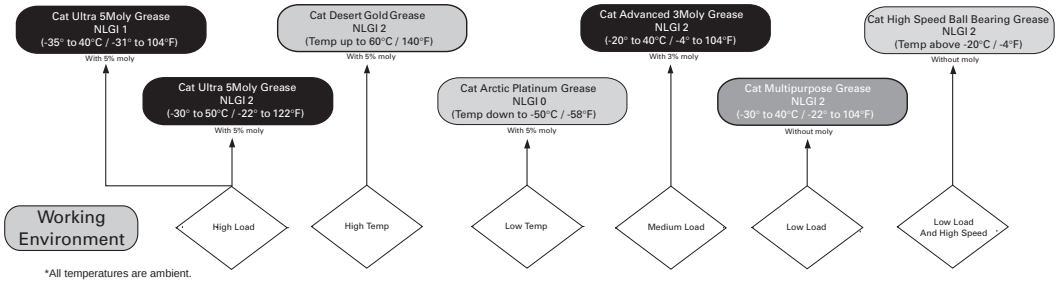
Cat Advanced 3Moly Grease is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Factory-Fill—Used as standard factory-fill for most Cat machines.
- Long Life—Lithium based and enhanced with 3% molybdenum disulfide (moly), Cat Advanced 3Moly Grease is an excellent grease for Cat applications where speed, load and temperature are moderate and moisture is low.
- Reduced Component Wear—Resists softening and protects parts from wear.
- Corrosion Protection—Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys or conventional seal materials.

CATERPILLAR®

Cat Advanced 3Moly Grease

Grease Selection Guide*



*All temperatures are ambient.

Typical Characteristics*

NLGI #	2
Ambient Range	–20° to +40° C/–4° to +104° F
Operating Range	–21° to +149° C/–5° to +300° F
Base Fluid Type	Petroleum
Thickener Type	Lithium Complex
Color	Gray
% Molybdenum disulfide	3
Worked Penetration (mm)	265-295
% Change/100,000 stroke	10 Max
Roll Stability w/H_2O, % change	N/A
Viscosity Index, Min	N/A
Viscosity @ 100° C, cSt	22
Viscosity @ 40° C, cSt	320
4 Ball Wear (mm) Max, Typ.	0.55
4 Ball E.P. Weld Point (kg) Min.	315
Timken E.P. Test OK load (lb) Typ.	55*
Oxidation – psi drop/500 hr Max	N/A
Rust Test	Pass
Salt Fog Test, hours	N/A
Copper Corrosion	1b
Dropping Point	+260° C (+500° F)

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Health and Safety

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Cat® Arctic Platinum™ Grease

For use in extremely cold environments. **NLGI Grade 0**



Recommended Use

Cat Arctic Platinum Grease is recommended for grease fittings and lubrication points in all load and speed applications and ambient temperature ranges of –50° to 20° C (–58° to 68° F).

Discover the Difference

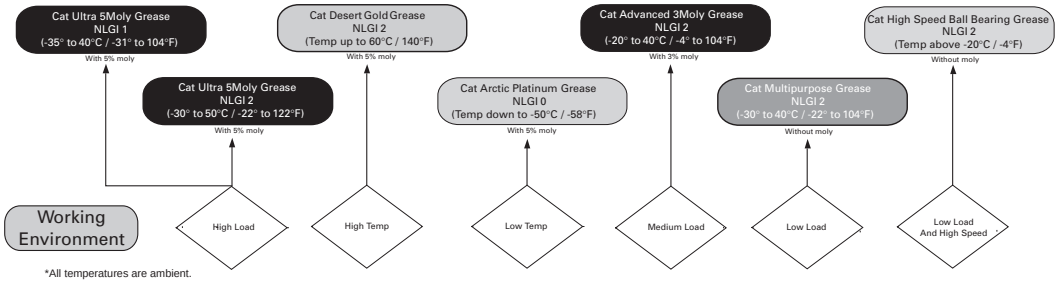
Cat Arctic Platinum Grease is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Extreme Life—High-quality calcium-sulfonate complex synthetic base with 5% molybdenum disulfide (moly) delivers unmatched performance in Cat applications.
- Extreme-Cold Operation—Performs and protects where ambient temperatures are regularly below –18° C (0° F).
- Moisture Resistance—Resists washout from fresh and salt water.
- Reduced Component Wear—Resists softening and continues to protect parts under extreme loads and high speeds.
- Corrosion Protection—Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys or conventional seal materials.
- Low Environmental Risk—Is formulated not to contain lead, antimony, zinc, barium, chlorine, phosphorus or free sulfur.

CATERPILLAR®

Cat Arctic Platinum Grease

Grease Selection Guide*



*All temperatures are ambient.

Typical Characteristics*

NLGI #	0
Ambient Range	–50° to +20° C/–58° to +68° F
Operating Range	–57° to +135° C/–70° to +275° F
Base Fluid Type	Synthetic
Thickener Type	Calcium Sulfonate Complex
Color	Platinum
% Molybdenum disulfide	5
Worked Penetration (mm)	355-385
% Change/100,000 stroke	+/–5
Roll Stability w/H_2O, % change	+/–5
Viscosity Index, Min	125
Viscosity @ 100° C, cSt	5-7
Viscosity @ 40° C, cSt	30-40
4 Ball Wear (mm) Typ.	0.45*
4 Ball E.P. Weld Point (kg) Typ.	620
Timken E.P. Test OK load (lb) Typ.	65
Oxidation – psi drop/500 hr Max	5
Rust Test	Pass
Salt Fog Test, hours	N/A
Copper Corrosion	1a
Dropping Point	N/A

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Health and Safety

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Cat® Desert Gold™ Grease

For use in extreme-heat environments. **NLGI Grade 2**



Recommended Use

Cat Desert Gold Grease is recommended for grease fittings and lubrication points in all load and speed applications and ambient temperature ranges of –20° to 60° C (–4° to 140° F).

Discover the Difference

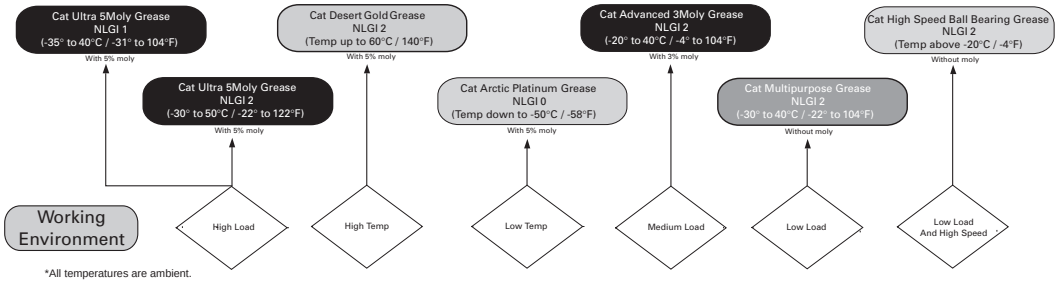
Cat Desert Gold Grease is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Extreme Life—High-quality calcium-sulfonate complex synthetic base with 5% molybdenum disulfide (moly) delivers unmatched performance in Cat applications.
- Extreme-Heat Operation—Performs and protects where ambient temperatures are regularly above 90° F.
- Moisture Resistance—Resists washout from fresh and salt water.
- Reduced Component Wear—Resists softening and continues to protect parts under extreme loads and high speeds.
- Corrosion Protection—Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys or conventional seal materials.
- Low Environmental Risk—Is formulated not to contain lead, antimony, zinc, barium, chlorine, phosphorus or free sulfur.

CATERPILLAR®

Cat Desert Gold Grease

Grease Selection Guide*



*All temperatures are ambient.

Typical Characteristics*

NLGI #	2
Ambient Range	–20° to +60° C/–4° to +140° F
Operating Range	–23° to +232° C/–10° to +450° F
Base Fluid Type	Synthetic
Thickener Type	Calcium Sulfonate Complex
Color	Gold
% Molybdenum disulfide	5
Worked Penetration (mm)	265-295
% Change/100,000 stroke	+/–1
Roll Stability w/H_2O, % change	+/–1
Viscosity Index, Min	125
Viscosity @ 100° C, cSt	38-42
Viscosity @ 40° C, cSt	370-425
4 Ball Wear (mm) Typ.	*
4 Ball E.P. Weld Point (kg) Min.	620
Timken E.P. Test OK load (lb) Typ.	65
Oxidation – psi drop/500 hr Max	5
Rust Test	Pass
Salt Fog Test, hours	+1,100
Copper Corrosion	1a
Dropping Point	+302° C (+575° F)

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Health and Safety

For information on proper use for health, safety, and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measures. For a copy of the MSDS, contact us or visit the web at www.catmsds.com.

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Cat® High Speed Ball Bearing Grease

For high-speed ball bearing applications. **NLGI Grade 2**



Recommended Use

Cat High Speed Ball Bearing Grease is recommended for high-speed ball-, needle- and sealed-bearing applications such as:

- electric motors
- fan drives
- starters
- alternators
- generators

It can also be used in automotive and industrial applications, especially where equipment is operated intermittently in severe conditions.

Discover the Difference

Formulated with synthetic thickener and corrosion inhibitors, High Speed Ball Bearing Grease provides excellent lubrication in ball and roller bearings operating over a broad temperature range.

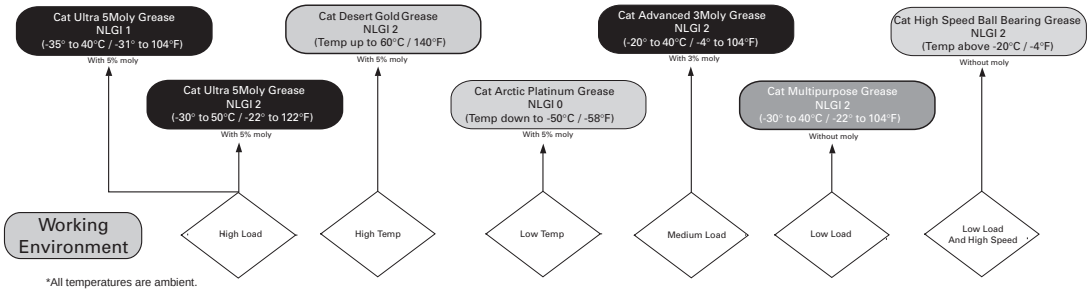
Cat High Speed Ball Bearing Grease is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- High-Stress Performance—Provides outstanding protection at high speeds (10,000 rpm and greater) and the high temperatures (163°C/325°F) associated with high speeds.
- Moisture Resistance—Resists wash out from fresh and salt water.
- Increased Component Life—Heat resistance provides improved protection, reducing component wear rates.
- Low-Temperature Operation—Remains mobile in temperatures as low as –30°C (–22°F).

CATERPILLAR®

Cat High Speed Bearing Grease

Grease Selection Guide*



*All temperatures are ambient.

Typical Characteristics*

NLGI #	2
Ambient Range	–20° to +40° C/–4° to +104° F
Operating Range	–40° to +163° C/–40° to +325° F
Base Fluid Type	Petroleum
Thickener Type	Polyurea
Color	Blue-Green
% Molybdenum disulfide	0
Worked Penetration (mm)	265-295
% Change/100,000 stroke	+/–1
Roll Stability w/H_2O, % change	N/A
Viscosity Index, Min	N/A
Viscosity @ 100° C, cSt	9-13
Viscosity @ 40° C, cSt	95-110
4 Ball Wear (mm) Max, Typ.	N/A
4 Ball E.P. Weld Point (kg) Min.	N/A
Timken E.P. Test OK load (lb) Typ.	N/A
Oxidation – psi drop/500 hr Max	5
Rust Test	Pass
Copper Corrosion	1a
Dropping Point	+260° C (+500° F)

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Health and Safety

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Cat© Hydraulic Hammer Paste

Copper and Graphite Grease



Excellent Protection Even Under Extreme Heat and Repetitive Impact

Cat® Hydraulic Hammer Paste (Grease) is formulated to lower friction and improve tool and bushing life in the harsh environments encountered with hydraulic impact hammer applications. These work tools generate high heat, severe shock, and heavy friction loads, which can fuse parts together. Cat Hydraulic Hammer Paste is made from copper and graphite to provide excellent wear protection even at temperatures higher than 2,000°F (1,093°C).



Benefits

Performance

- Formulated for extreme temperatures and applications
- Strong adhesion, even in the presence of water

Protection

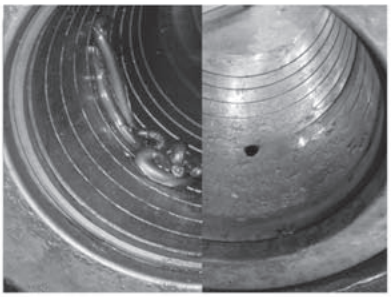
- Significantly slows wear
- Prevents seizing
- Extremely stable and corrosion resistant

CATERPILLAR®

Cat® Hydraulic Hammer Paste

Extended Tool and Bushing Life

Hydraulic Hammers, and other tools, experience extreme conditions that can lead to rapid wear of guide bushings. Cat Hydraulic Hammer Paste dramatically slows this wear by creating a layer of protection that minimizes metal-to-metal contact.



Cat® Hydraulic Hammer Paste provides a layer of protection between the tool and guide bushings.

Cat Hydraulic Hammer Paste is formulated[1] to cling to parts even under high shock, high temperature, and wet conditions. While these extreme conditions can cause other greases to breakdown, Cat Hydraulic Hammer Paste retains its integrity to continue protecting components.

Typical Characteristics[2]	
Color	Copper
NLGI Class	2
Thicker Type	Aluminum Complex
Base Oil Type	Mineral
Operating Range	-20 to 1,100°C (-4 to 2,012°F)
Worked Penetration (mm)	265-295
Viscosity @ 40°C, cSt	350
4 Ball E.P. Weld Point (kg)	400
Dropping Point	260°C (500°F)

[1]Cat Hammer Paste (Grease) is designed for use in hammers only. Damage may result if Cat Hammer Paste is used on equipment other than hammers.
[2]The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.



Cat Grease Protects Your Entire Machine

For the longest lasting protection for the rest of your machine, use Cat Ultra 5Moly Grease.

Long Life: High-quality calcium sulfonate complex formula with 5% molybdenum disulfide provides long service life.

Moisture Resistance: Resists washout from fresh and salt water.

Reduced Component Wear: Resists softening and continues to protect parts under high pressures and during extreme loading applications.

Corrosion Protection: Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys, or conventional seal materials.

Health and Safety

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Cat® Multipurpose Grease

For grease fittings and lubrication points in low-load, low-speed applications. **NLGI Grade 2**



Recommended Use

Cat Multipurpose Grease is recommended for grease fittings and lubrication points in low-load, low-speed applications and ambient temperatures ranging from –30° to 40° C (–22° to 104° F).

Discover the Difference

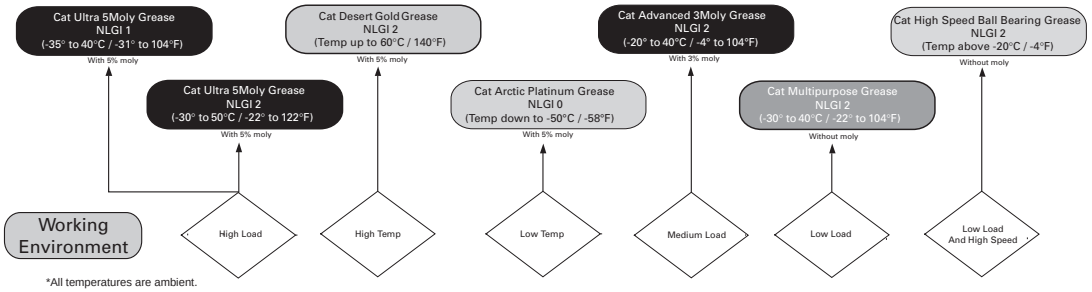
Cat Multipurpose Grease is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Reduced Component Wear—Resists softening and protects parts from wear.
- Corrosion Protection—Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys or conventional seal materials.
- Excellent General Purpose—Lithium Complex grease for applications where load, speed, temperature and moisture conditions are low.

CATERPILLAR®

Cat Multipurpose Grease

Grease Selection Guide*



*All temperatures are ambient.

Typical Characteristics*

NLGI #	2
Ambient Range	–30° to +40° C/–22° to +104°
Operating Range	–32° to +149° C/–25° to +300°
Base Fluid Type	Petroleum
Thickener Type	Lithium Complex
Color	Blue
% Molybdenum disulfide	0
Worked Penetration (mm)	265-295
% Change/100,000 stroke	–5 to +15
Roll Stability w/H_2O, % change	N/A
Viscosity Index, Min	N/A
Viscosity @ 100° C, cSt	19.5-22.5
Viscosity @ 40° C, cSt	230-245
4 Ball Wear (mm) Max, Typ.	0.75
4 Ball E.P. Weld Point (kg) Min.	315
Timken E.P. Test OK load (lb) Typ.	55*
Oxidation – psi drop/500 hr Max	N/A
Rust Test	Pass
Copper Corrosion	1b
Dropping Point	+260° C (+500° F)

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

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Cat® Multipurpose Marine Grease

For Marine and Construction applications in wet conditions

NLGI Grade 2



Excellent Corrosion Protection Against Fresh and Salt Water

Cat® Multipurpose Marine Grease is designed to protect many types of equipment working in corrosive and water-related applications, including: bearings, cranes, gimbals, lifting tackle, open gears, splines, winches, and other deck equipment. Designed to stay in place under extreme pressure and at a wide temperature range, Cat Multipurpose Marine Grease delivers excellent protection no matter the weather or working conditions. The environmentally-friendly formulation of Cat Multipurpose Marine Grease contains no heavy metals or other harmful additives.



Benefits

Performance

- Strong adhesion, prevents wash out
- Wide temperature range, -22°F to 347°F (-30°C to 175°C)
- Extremely stable under heavy pressure loads and flooded conditions

Protection

- Seals out fresh and salt water
- Long-lasting protection
- Excellent rust and corrosion resistance

Cat® Multipurpose Marine Grease

Cat Grease Protects Against Wear and Corrosion

Extreme Duty and Environment
Cat Ultra 5Moly Grease
Cat Arctic Platinum™ Grease
Cat Desert Gold™ Grease

General Purpose
Cat Advanced 3Moly Grease
Cat Multipurpose Grease
Cat White Assembly Grease

Special Purpose
Cat High-Speed Ball Bearing Grease
Cat Generator Grease
Cat Hydraulic Hammer Paste

Cat Multipurpose Marine Grease is designed with an environmentally friendly formulation that contains no heavy metals or harmful additives.

Benefits

Long Lasting – Adheres strongly to components and resists washout to provide long-lasting protection.

Resists Breakdown – Maintains its consistency at high temperatures and at heavy loads to keep protecting even during severe conditions and applications.

Protects Against Corrosion – Seals out fresh and salt water, even under harsh conditions, and resists oxidation to protect metal against rust. Will not corrode or damage steel, copper bearing alloys, or conventional seal materials.

Cat Multipurpose Marine Grease Protects Better

Roll Test: Maintains Consistency to Protect Longer

Testing shows that Cat Multipurpose Marine Grease maintains its consistency at high temperatures and during long periods of work in sea water. Because Cat Multipurpose Marine Grease can absorb great amounts of salt water (up to 50% of its volume), it can withstand severe working conditions that cause other brands of marine grease to break down and run out.





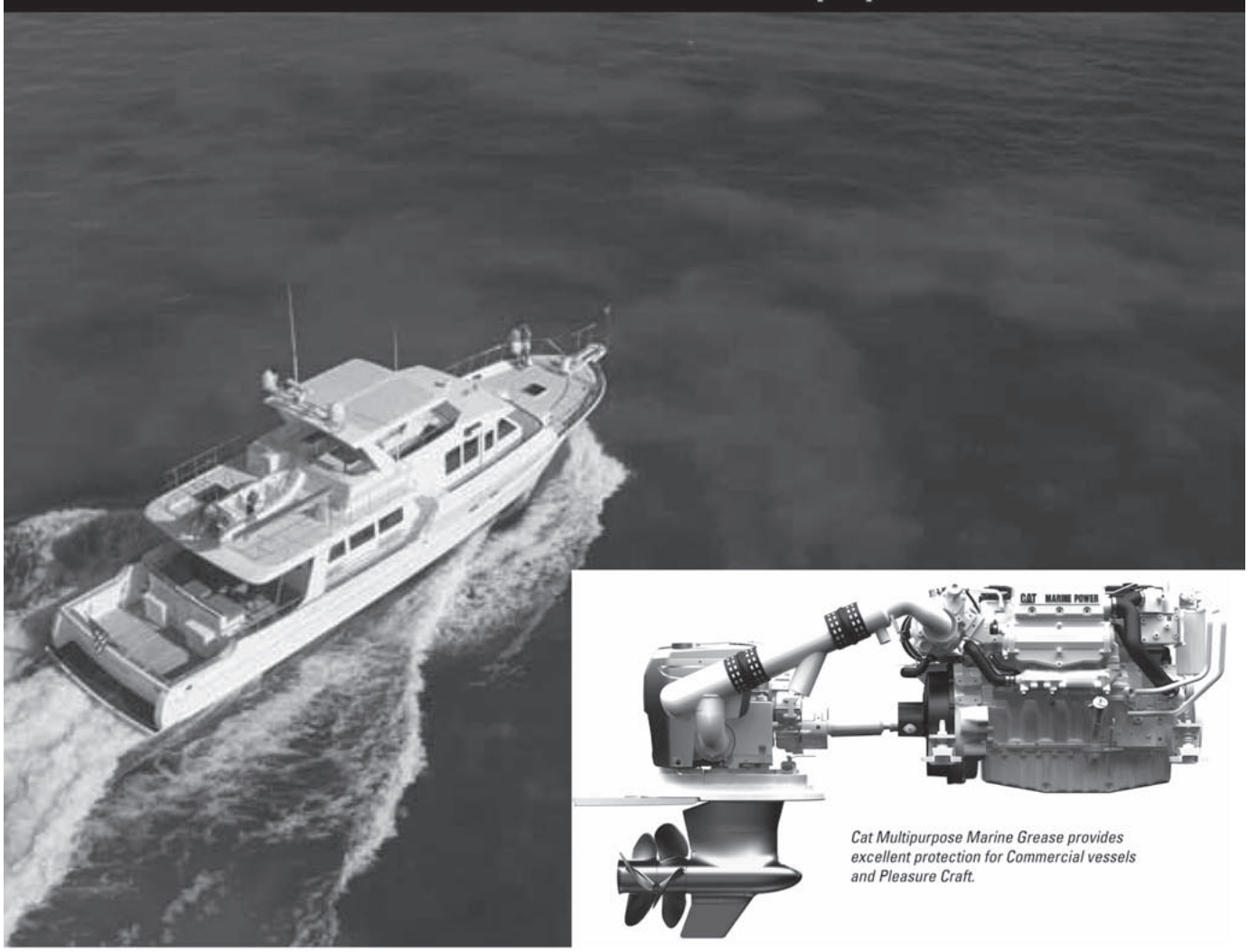


Cat® Multipurpose Marine Grease is stable in harsh environments, which means it stays in place to protect



Competitive marine grease breaks down quickly under stress and stops protecting.

Cat® Multipurpose Marine Grease



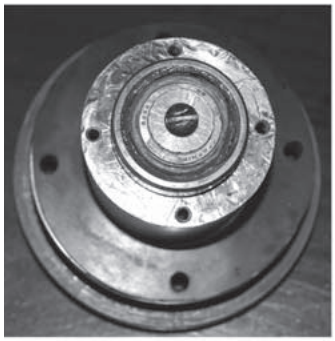
Cat Multipurpose Marine Grease provides excellent protection for Commercial vessels and Pleasure Craft.

Washout Test: Stays in Place Longer

Cat Multipurpose Marine Grease remained in place under the pressure of a direct water spray. This test demonstrates its excellent adhesion, high water absorption, and ability to maintain consistency.

Salt Fog Test: Stops Corrosion

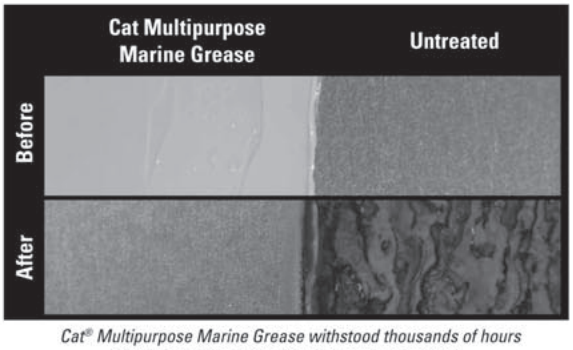
During a test that exposed a component to more than 4,000 hours of salt fog, Cat Multipurpose Marine Grease remained in place. At the end of testing no corrosion was found under the area protected by Cat Multipurpose Marine Grease.



Cat® Multipurpose Marine Grease stays in place to protect.



Competitive marine grease washes away leaving the bearing unprotected.



Cat® Multipurpose Marine Grease withstood thousands of hours of salt fog while protecting the metal underneath.

Cat® Multipurpose Marine Grease

Typical Characteristics*	
Color	Blue Green
NLGI Grade	2
Thickener	Overbased Calcium Sulfonate
Base Oil	Petroleum
Operating Range	-30°C to 175°C (-22°F to 347°F)
Viscosity Index, Min	95
Viscosity CST @ 40°C	110
Viscosity CST@ 100°C	12
Penetration Worked 60 Strokes	265 – 295
% Change/10,000 Stroke	+/-2
% Change/100,000 Stroke	+/-5
Oil Separation 24 Hrs @ (77°F)	0.25
Roll Stability Penetration w/H^20, % change	+/-1
4 Ball Wear Test (mm) Scar (kg)	40
4 Ball E.P. Test Weld Point (kg)	500
Load Wear Index (kg)	65
Timken E.P. Test OK Load (lb) Typ.	65
Rust Test	Pass
Salt Fog Test, hours	+4,000
Water Washout @ 79°C (175°F), % loss	2.75
Wheel Bearing Leakage Grams Modified @ 163°C (325°F)	0.4
Dropping Point	298°C (570°F)

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.



Cat Multipurpose Marine Grease protects components working in wet applications: Commercial Marine and Pleasure Craft, as well as construction and other applications involving water.

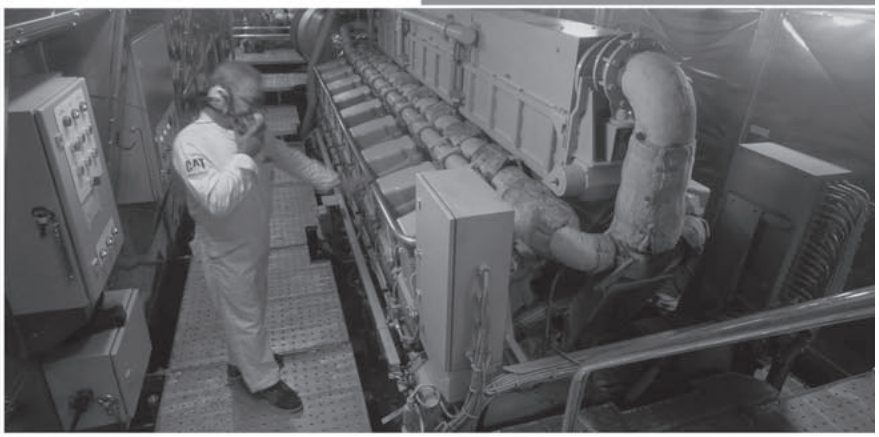
Health and Safety

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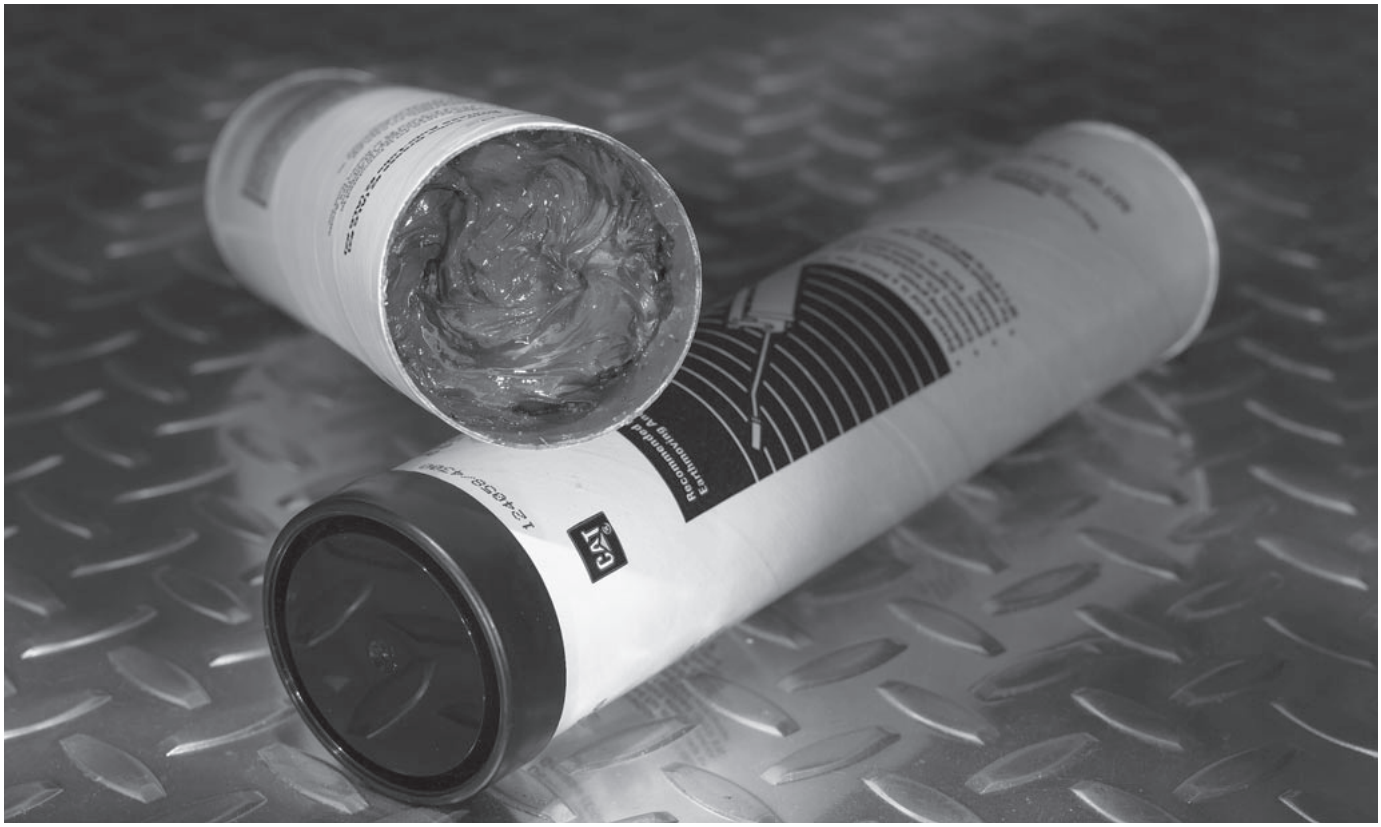


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Cat® Ultra 5Moly Grease

For grease fittings and lubrication points in high-load and high-speed applications **NLGI Grade 0,1,2**



Recommended Use

Cat Ultra 5Moly Grease is formulated for grease fittings and lubrication points in high-load and high-speed applications with ambient temperatures ranging from -40° to 35°C (-40° to 95°F) for NLGI #0, -35° to 40°C (-31° to 104°F) for NLGI #1 and -30° to 50°C (-22° to 122°F) for NLGI #2.

Discover the Difference

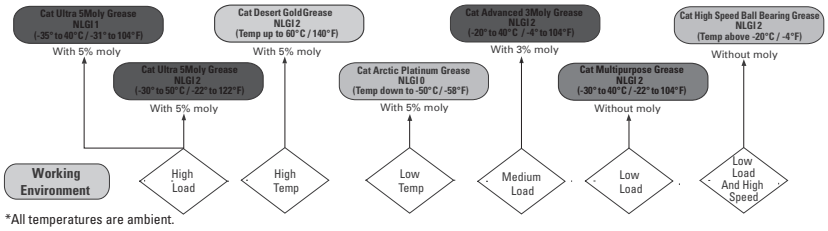
Cat Ultra 5Moly Grease is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Long Life—High-quality calcium sulfonate complex formula with 5% molybdenum disulfide moly provides long service life in Cat applications.
- Moisture Resistance—Resists washout from fresh and salt water.
- Reduced Component Wear—Resists softening and continues to protect parts under extreme loads and high speeds.
- Corrosion Protection—Resists oxidation and protects metal against rust. Will not corrode or damage steel, copper bearing alloys or conventional seal materials.
- Low Environmental Risk—Is formulated to use no lead, antimony, zinc, barium, chlorine, phosphorus or free sulfur.

CATERPILLAR®

Cat® Ultra 5Moly Grease

Grease Selection Guide*



*All temperatures are ambient.

Typical Characteristics*

NLGI #	0	1	2
Ambient Range, F	-40° to +95°	-31° to +104°	-22° to +122°
Ambient Range, C	-40° to +35°	-35° to +40°	-30° to +50°
Operating Range, F	-49° to +300°	-40° to +300°	-25° to +300°
Operating Range, C	-45° to +149°	-40° to +149°	-32° to +149°
Base Fluid Type	Petroleum	Petroleum	Petroleum
Thickener Type	Calcium Sulfonate Complex	Calcium Sulfonate Complex	Calcium Sulfonate Complex
Color	Gray	Gray	Gray
% Molybdenum disulfide	5	5	5
Worked Penetration (mm)	355-385	310-340	265-295
% Change/100,000 stroke	+/-5	+/-5	+/-5
Roll Stability w/H_2O, % change	+/-5	+/-5	+/-5
Viscosity Index, Min	N/A	N/A	N/A
Viscosity @ 100°C, cSt	11.5	11.5	11.5
Viscosity @ 40°C, cSt	150	150	150
4 Ball Wear (mm) Max, Typ.	0.5	0.5	0.5
4 Ball E.P. Weld Point (kg) Min.	620	620	620
Timken E.P. Test OK load (lb) Typ.	60	60	60
Oxidation-psi drop/500 hr Max	N/A	N/A	N/A
Rust Test	Pass	Pass	Pass
Salt Fog Test, hours	+4,000	+4,000	+4,000
Copper Corrosion	1a	1a	1a
Dropping Point	+288°C (+550°F)	+288°C (+550°F)	+288°C (+550°F)

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Other Recommended Greases

Cat Desert Gold™ Grease

For extremely hot temperatures up to 60°C (140°F).

Cat Arctic Platinum™ Grease

For extremely cold temperatures down to -50°C (-58°F).

Health and Safety

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, visit us on the web at www.catmsds.com.

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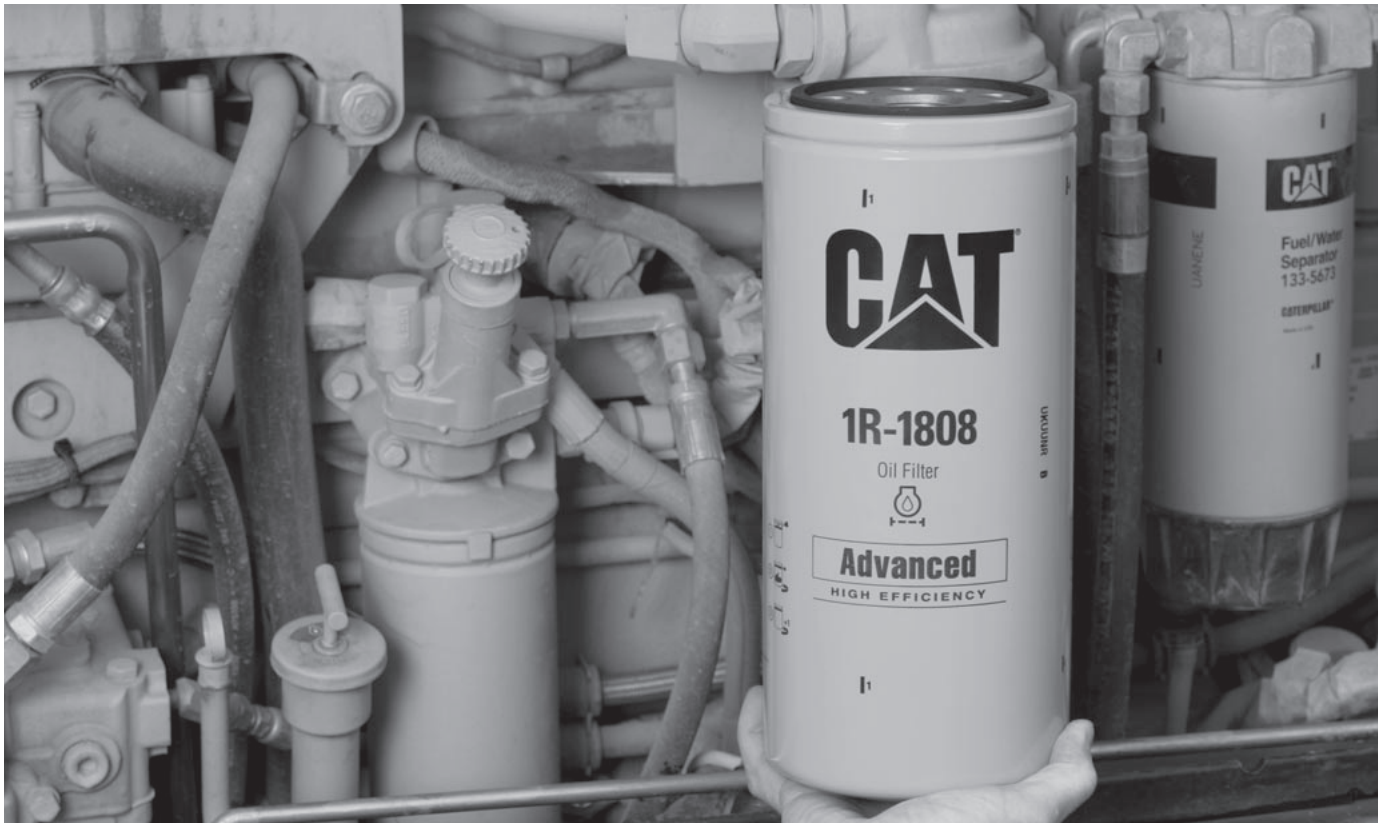


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Cat® Advanced High Efficiency Engine Oil Filters



Improved Filtration for a Cleaner Engine

Cat Advanced High Efficiency Engine Oil Filters increase contamination control performance providing for a much cleaner running engine lubrication system. Cat Advanced Oil Filters provide enhanced filtration without the shorter change intervals often required by other brands' higher efficiency filters.

The Cat 1R-1807 and 1R-1808 filters contain an improved, higher efficiency filter media. This media is designed to increase contaminant capturing efficiency while maintaining excellent dirt holding capacity characteristics.

The Cat 1R-1807 and 1R-1808 filters offer better filtration efficiency than standard oil filters, improved engine cleanliness and a longer component life.

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Cat Advanced High Efficiency Engine Oil Filters

An Option for Improved Engine Oil Filtration

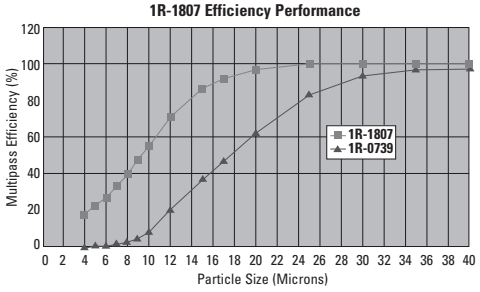
The Cat Advanced Oil Filters are now installed on new engines in production. They are also the approved upgrade option for Cat engine models that use the 1R-0739 and 1R-0716 Standard Efficiency Engine Oil Filters.

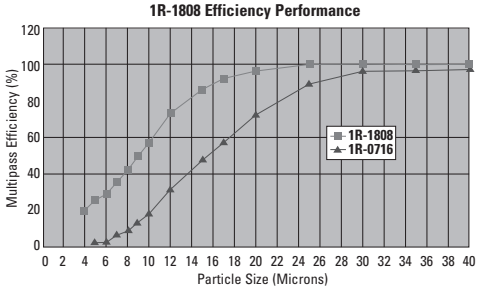
Cross Reference

Cat Standard Efficiency Engine Oil Filter	Cat Advanced High Efficiency Engine Oil Filter
1R-0739	1R-1807
1R-0716	1R-1808

Improved Filtration for Less Wear

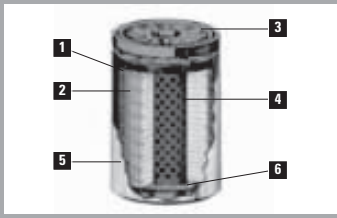
To increase contamination control capability, the Cat Advanced Oil Filter combines improved filtration efficiency, excellent contaminant holding capacity and low pressure drop characteristics. The graphs to the right demonstrate in blue the improved filtration efficiency the 1R-1807 and 1R-1808 filters offer over the corresponding standard efficiency filters. The result is less wear on oil lubricated engine parts.





Consistent Quality from Filter to Filter

Caterpillar engineers its liquid filters to avoid metal contaminants, leaks, pleat bunching and movement. Cat liquid filters have:



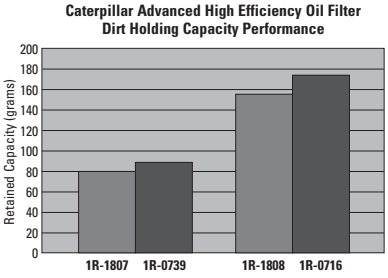
1) Spiral roving and beading for pleat stability to better trap and hold particles
2) Properly cured filter media for long performance and life
3) One-piece aluminum base plate
4) Strong nylon center tubes to prevent metal contamination
5) A heavy gauge canister for structural strength
6) One-piece molded urethane end caps to eliminate leaks

Caterpillar manufactures over 80 percent of its liquid filter volume on an automated assembly line. This strict quality control eliminates variation from part to part.

For more information, visit us on the Web at www.cat.com

Negligible Impact on Contaminant Holding Capacity

The Cat Advanced Oil Filter provides improved filtration efficiency with little effect on dirt holding capacity. Therefore, the condition of the oil as determined by S•O•S℠ Services Analysis, and not filter capacity, is the major factor in determining the recommended oil change interval. The bar graph to the left illustrates the relative dirt holding capacity of the Advanced Filters and corresponding Standard Efficiency Filters.



Improved efficiency with minimal loss in reserve capacity and no impact on recommended change interval.

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Cat® Air Filter Service Indicator



Getting the Longest Life From Your Air Filters

Equipment filters working in low dust conditions last longer. Since it is not possible to visually determine when a filter reaches capacity, changing air filters too soon can result in unnecessary labor and filter costs. Conversely, in highly contaminated air, you may need to change filters earlier than scheduled to ensure full airflow and engine power. You'll know exactly when to change your air filters when you use the Cat Air Filter Service Indicator.

- Shows you how much filter life remains and ensures optimum engine performance
- Minimizes filter changes and reduces filter costs
- Indicates airflow resistance even when the machine is not running
- Can be reset with the spring-release button



CATERPILLAR®

Cat Air Filter Service Indicator

A Filter For Longer Engine Life

In applications where there is a high percentage of fine dust particles or high amounts of exhaust soot, Cat UHE Air Filters will improve early filtration and provide longer engine life.

- Reduced Engine Wear—Particles collect on the filter's surface layer of very fine fibers, quickly building a cake that allows less dust to reach the engine.
- Higher Efficiency—UHE Filters are at peak efficiency when brand new. This surface particle cake is more porous than dust-coated media fibers, causing less restriction throughout the filter life.
- Better Engine Performance and Fuel Economy—The lower restriction allows the engine to "breathe" more easily, and fuel economy improves because it takes less power to pull in air.
- Longer Filter Life—The unique surface helps extend air filter life up to six times as long as standard filters, limiting filter changes and the chance of contamination during service.

Accurate and Easy to Read

It is impossible to visually determine when a filter has reached capacity. Instead, the Cat Air Filter Service Indicator accurately reads a filter's condition.



This reading indicates a clean filter element. Readings may vary with system design.



As the filter element fills with dust and soot, the indicator moves up the calibrated gauge to show the exact percentage of filter life remaining.



This reading shows the filter is no longer allowing sufficient air into the engine and must be changed.

Limits Filter Changes and Saves Money

A Cat Air Filter Service Indicator can often save eight filter changes when in a cleaner environment for 6,000 operating hours.

	Number of Changes Without Indicator*	With Indicator
Primary Filter	24	18
Secondary Filter	8	6
Total	**32**	**24**

*When changing the primary element at 250 operating hours and the secondary element at 750 operating hours.

Checking for Accuracy

The air filter service indicator will help you avoid changing filters too frequently which wastes filter life, costs money and unnecessarily introduces contaminants. To make sure the service indicator is operating properly, Caterpillar recommends changing it once a year. It should be checked every 250 hours in normal conditions or daily if dust is severe. There are two steps to check the operation:

- Reset—The indicator should reset within three pushes.
- Yellow Core Movement—After the engine accelerates to high idle, the yellow core should latch at or near the highest vacuum attained during the acceleration test.

If the indicator will not easily reset or not latch at the highest vacuum level attained, the indicator should be replaced.

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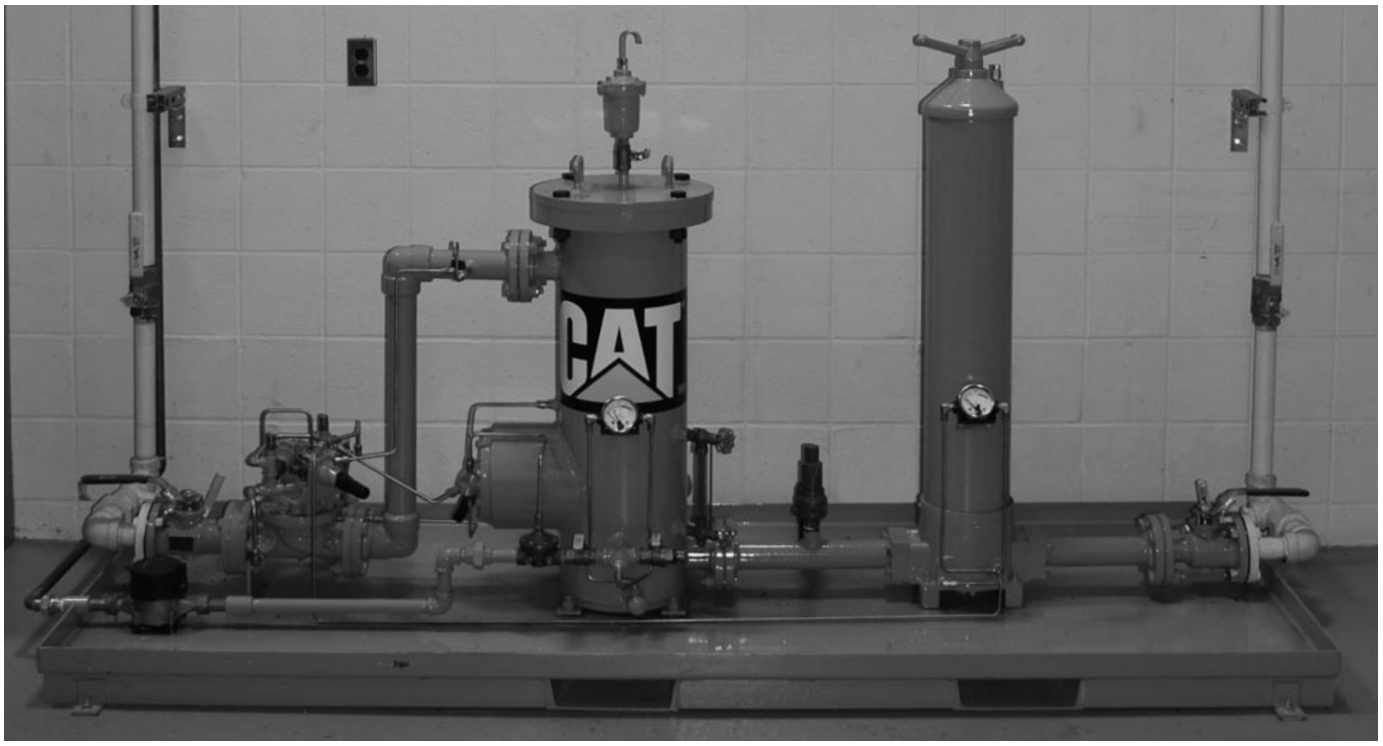


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Cat® Bulk Fuel Filtration Systems



Bulk Fuel Filtration

Clean dry fuel is absolutely essential in order to achieve long injector life. The filtration systems on machines are not designed to clean heavily contaminated fuel. A good portion of water and dirt can be removed from supply fuel by using proper storage tank settling and draining practices. Most of the remaining water and dirt can be removed by using bulk filtration or adding filtration and water separation capacity to each machine in the fleet. The most cost effective and efficient method to ensure clean dry fuel is delivered to machine fuel tanks is to use bulk filter coalescer systems.



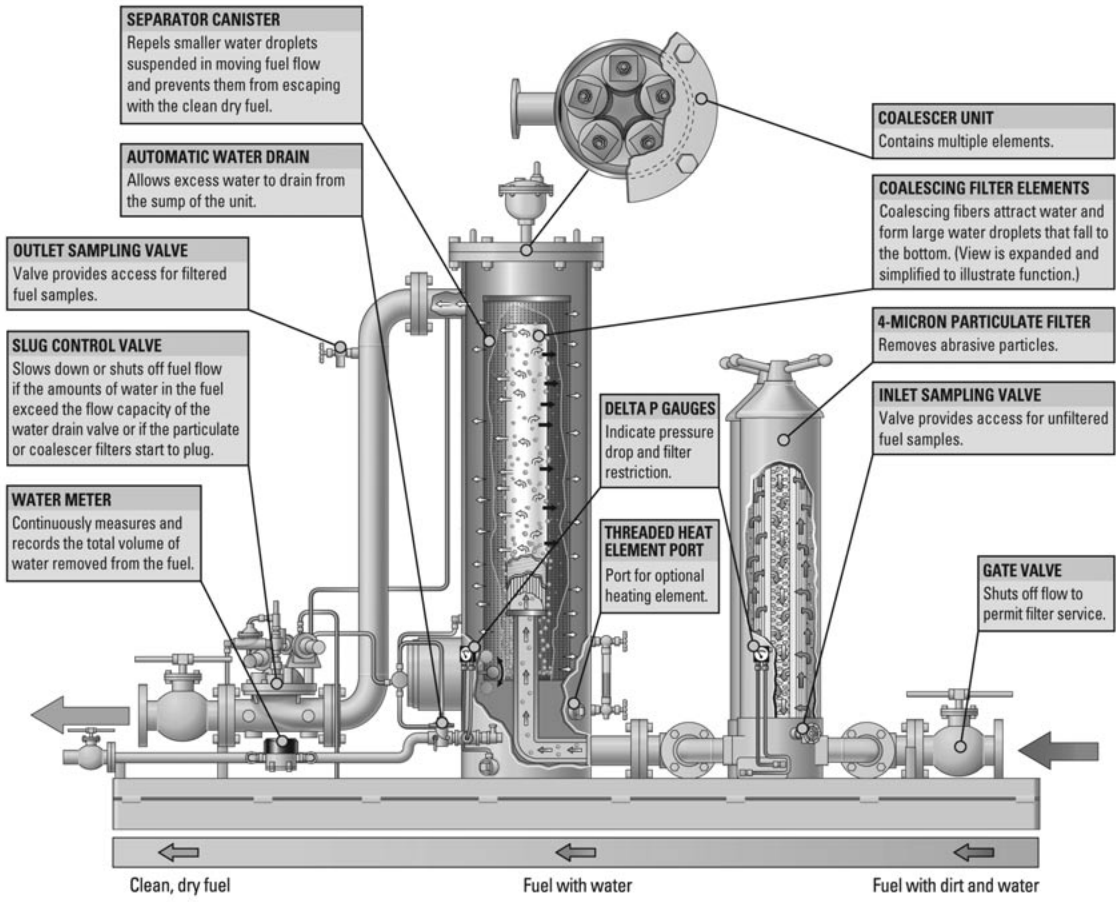
Filter coalescer filtration systems have been the standard method to clean large volumes of fuel in the airline and petroleum industries for more than 40 years. These filtration units are designed to remove solid particles and water from the fuel with single pass filtration. These units are placed in the fuel supply line between the fuel storage tank and fueling station. The units are designed to meet the maximum flow requirements of the fuel delivery system.

Cat® Bulk Fuel Filtration Systems

Bulk Fuel Filtration Applications

The Caterpillar Bulk Fuel Filtration System is intended for use in anyapplication where users store fuel for machines or engines. The filter coalescer units are placed in series between the fuel pump on the fuel storage tank and the fuel station. Smaller units are intended for remote day tank or fuel truck applications. The system does not require electrical power unless it is used in extremely cold climates. An optional electric fuel heater is available for cold climates where water removed from the fuel may freeze.

Part Number	Fuel Flow Rate
284-0413	50 gpm
284-0415	100 gpm
284-0416	200 gpm
295-0048	300 gpm



Cat® Bulk Fuel Filtration Systems

Features, Benefits and Results

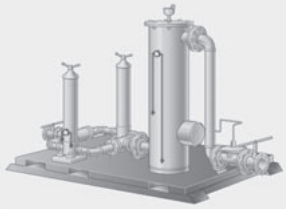
Gate valve	• Shuts off flow during service or removal of unit.
4-micron particulate filter	• Effectively traps and holds large volumes of particulate debris. • Filter elements may be quickly and easily replaced without the need for hand tools.
Coalescer unit	• Strips water from fuel and automatically drains the water to an external water storage vessel. • Capable of removing 1% water by volume to less than .05% at the rated flow of the unit. • Float mechanism in the bottom of the unit monitors the water level.
Coalescing filter elements	• Water removed by these elements falls to the bottom of the coalescer unit and is automatically drained to an external water storage vessel.
Separator cartridge	• A fine mesh fits over the coalescer to prevent tiny water droplets from escaping.
Automatic water drain	• When water level is at or below an acceptable level, the valve is shut off. • When water level is above the acceptable level, the float will rise and trigger a rotary valve on the pivot of the float arm to open the automatic water drain valve. • If the water and float continue to rise above normal, the slug control valve will completely shut off flow to prevent water from passing downstream. • As the water level drops, the float drops, allowing the slug control valve to open and outlet flow to resume.
Flow meter	• Installed on the automatic water drain valve and allows the total amount of water removed to be monitored.
Slug control valve	• Used to temporarily reduce fuel flow to assure proper operation of the coalescer and particulate filters. • Reduces flow as filter restriction increases.
Fluid sampling ports	• Allows for fuel samples to be removed for analysis. • Inboard and outboard ports are included.
Electric fuel heater (Optional)	• For use in cold climates where water removed from the fuel may freeze.



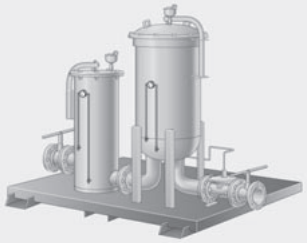
50 gallons per minute
This unit is suitable for applications where remote machines refuel from smaller day tanks with delivery pumps rated up to 50 gallons per minute.



100 gallons per minute
This unit is suitable for larger capacity day tanks and delivery flow rates up to 100 gpm.



200 gallons per minute
This unit will handle larger flow rates found on most fuel islands.



300 gallons per minute
This unit will handle the high volume flow rates required for the largest machines.

Cat® Bulk Fuel Filtration Systems

Filter Elements

The Caterpillar bulk fuel filtration uses three types of elements to remove dirt and water from the fuel.



	Prefiter Element		Coalescer Element		Separator Canister	
	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
50 gpm Unit	284-0436	1	284-0423	1*	284-0426	1**
100 gpm Unit	284-0436	1	284-0437	1*	284-0426	1**
200 gpm Unit	284-0436	2	284-0441	1*	301-9814	1**
300 gpm Unit	284-0436	5	299-2372	1*	301-9814	1**

* Part number contains all elements required for coalescer element replacement.
** Replacement as needed. Part number contains one separator canister only.

Pre-Filter Elements
Pre-Filter elements remove dirt and particulate debris from the fuel. Pre-filter elements are constructed of high-quality, full synthetic filter media rated at 4-micron, beta 200. Elements are sized to require replacement about once per month in most applications. This will vary depending on the amount of fuel passing through the unit and the amount of debris in the fuel. Element replacement can be easily performed and requires no tools. Large wing nuts on the top of the pre-filter housing can be loosend by hand to allow the wing nut, cap assembly and seal plate to be easily removed. A wire handle on each filter allows the old filter element to be lifted out of the housing and a new filter element to be installed. The cap and wing nut assembly can the be re-installed and hand tightened.

Coalescer Elements
Coalescer elements strip water from the fuel. The coalescer elements are made from a hydrophyllic media which attracts and holds small water droplets. Fuel containing free and emulsified water flows from the inside of the coalescer element to the outside. As the small water droplets pass over the fibers of the hydrophyllic media of the coalescer element, they are attracted and held. As additional small droplets continue to be attracted and held on the hydrophyllic media, they contact each other and combine into larger water droplets. These droplets continue to grow in size until the mass of the large droplet exceeds the attraction to the coalescing media. The large droplets break loose and fall to the bottom of the coalescer vessel where they are drained off. Because coalescer elements attract and then shed water, they do not plug like a typical particulate filter. Replacements intervals for coalescer elements are typically only once per year.

Separator Canisters
Due to the high flow rate of fuel through the coalescer elements, flow forces will cause some small water droplets to be washed off the coalescer fibers. The separator canisters fit over the coalescer elements and prevent these small droplets from escaping to the outlet of the coalescer vessel. Separator canisters are constructed of 100 mesh (150 micron) teflon coated stainless steel wire screen. The teflon coating on the screen wire makes it hydrophobic, which repels water droplets. Fuel flows freely through the screen. Water droplets are prevented from passing through the screen and fall to the bottom of the coalescer vessel where they are drained off. Separator canisters must be removed in order to replace coalescer elements. Separator canisters do not require replacement unless they are physically damaged during coalescer element replacement.

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Cat® Cabin Air Filters



A cleaner, more comfortable cab environment

Two high efficiency filters, the Cat Dust Reduction and the Cat Dust and Odor Reduction Cabin Air Filters, improve ventilation and/or odor reduction in enclosed operator cabs. Advanced filtration technology reduces airborne irritants, creating a cleaner and more comfortable working environment for the operator. No equipment modification is needed for installation.

Dust Reduction Filter Benefits:

- Higher efficiency for better dust reduction
- Direct replacement for standard filter
- Fits current filter housing
- Easier to clean

Dust and Odor Reduction Filter Benefits (in addition to above):

- High performance activated charcoal ensures fast rate of absorption
- Delivers increased odor reduction compared to competition
- Higher capacity extends life and reduces maintenance costs
- Superior particle removal efficiency reduces eye, nose and throat irritants
- No adverse effect on air flow, heat or air conditioning performance

The dust reduction and odor reduction cabin filters are not intended for filtering hazardous materials.



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Cat® Cabin Air Filters

Higher Particle Removal Efficiency

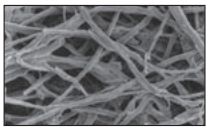
The Cat Dust Reduction Cabin Air Filter can be used anywhere excessive cab dust exists. It offers excellent removal of dust, soil, pollen and mold spores in enclosed operator cabs. It is an optional replacement for the corresponding standard filters listed below.

Dust Reduction Cabin Air Filter Options

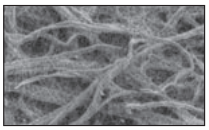
Standard Part Number	Upgrade Part Number	Upgrade Option Machine Coverage
7T-1890	175-2839	Track-Type Tractors
9X-8216	175-2840	Wheel Loaders, Track Loaders
107-0266	175-2841	Track-Type Tractors, Wheel Loaders, Wheel Tractors, Off-Highway Trucks, Integrated Toolcarriers, Soil Compactors
209-8217	318-7190	Track-Type Tractors, Pipelayers
238-0479	319-7944	Large Track-Type Tractor

Reduced Odor, High Dust Capacity, Longer Life

The Cat Dust and Odor Reduction Cabin Air Filter is designed for use in landfill applications or anywhere superior odor reduction is necessary. It offers extended service life without compromising heating or cooling capabilities. The activated carbon in the filter (see magnification, right) provides a fast rate of absorption. There is no operator exposure to loose carbon particles, even in rough applications.



Standard



Ultra High Efficient

Dust and Odor Reduction Cabin Air Filter Options

Standard	Upgrade Option	Type	Standard	Upgrade Option	Type
105-4968	139-3204	Dust & Odor Reduction	238-0479	291-3928	Dust & Odor Reduction
107-0266	175-2841	Dust Reduction	259-3222	266-7765	Lower Restriction
107-0266	282-5339	Dust & Odor Reduction	2V-0036	175-2837	Dust & Odor Reduction
112-7448	175-2838	Dust & Odor Reduction	6T-0988	175-2831	Dust & Odor Reduction
113-0305	196-3161	Dust & Odor Reduction	7G-8116	141-7903	Dust & Odor Reduction
116-5796	142-7069	Dust & Odor Reduction	7T-1889	175-2836	Dust & Odor Reduction
119-3355	233-8359	Dust & Odor Reduction	7T-1890	175-2839	Dust Reduction
119-3355	268-6704	Lower Restriction	7T-1890	175-2832	Dust & Odor Reduction
149-1912	220-8800	Dust & Odor Reduction	7X-6012	200-8460	Dust & Odor Reduction
180-7487	282-5340	Dust & Odor Reduction	7X-6041	175-2834	Dust & Odor Reduction
209-8217	307-4442	Dust & Odor Reduction	8P-5343	175-2835	Dust & Odor Reduction
209-8217	268-6705	Lower Restriction	9G-1518	175-2833	Dust & Odor Reduction
209-8217	318-7190	Dust Reduction	9W-3639	3E-7904	Dust & Odor Reduction
238-0479	238-0479	Dust Reduction	9X-8216	175-2840	Dust Reduction

Ventilation Panel Filter Offers Greater Efficiency

There is also a cab ventilation panel filter for some Track-Type Tractors and skidders. This optimum panel filter is 88% efficient at filtering contaminant particles compared to the previous filter's 62% efficiency.

Old Filter Part Number	New Filter Part Number
• 9W-3639	• 3E-7904

The new 3E-7904 filter should be used on the following models.

Track-Type Tractors	Track-Type Skidders
D4H	517
D5H	527
D5M	
D6M	

Please note that the improved filter efficiency may cause lower cab airflow.

Cleaning Extends the Filter's Useful Life

Both the Cat Dust Reduction and Odor Reduction Cabin Air Filters can be cleaned with compressed air to extend life. They should not be cleaned if the dust/odor reduction capability is diminished, the filter is damaged, or has been used 12 months or longer.

These filters are intended for dust and odor reduction only and are not designed to filter hazardous materials.

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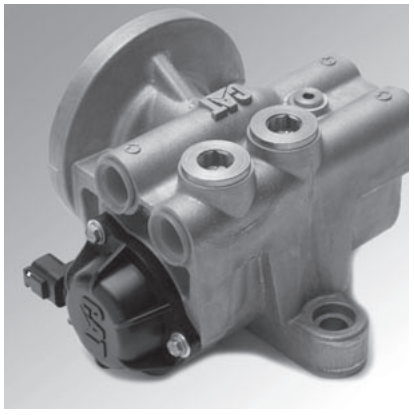
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Cat® Fuel Water Separators and PrimeTime™ Priming Pumps







Protect your fuel system

Advanced High Efficiency Fuel Water Separator

Diesel fuel acts as a lubricant in unit injectors. The film strength of diesel fuel prevents metal-to-metal contact between the plunger and barrel. Water can compromise film strength, resulting in scuffing and eventual seizure. Cat Fuel Water Separators have greater water removal capabilities essential for better protection of unit injectors. Fuel Water Separators also deliver longer secondary fuel filter life.

- Remove more than 98% of debris 10 microns and larger
- Virtually eliminate free water in fuel
- Remove 87% of dissolved water

PrimeTime Priming Pump

Cat PrimeTime Priming Pumps are easily installed on the frame or engine as retrofits. They prime the filter and fuel system with a flip of the switch.

- No need to pre-fill filter and risk debris reaching injectors
- Primes fuel filter in two to six minutes
- No time-consuming, difficult manual pumping

While these two products are available separately, you will get the best results when they are used together.

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Cat® Fuel Water Separators and PrimeTime Priming Pumps

Retrofit Information

Axial seal filters are designed to retrofit engines in the field while radial seal filters have an exclusive Cat design for improved sealing performance on new engines. Both will upgrade the durability and water removal performance over previous Caterpillar offerings and other brands.

Engine	PrimeTime Pump Full Flow Configuration	Hand Priming Configuration	Fuel Water** Separator Basic Configuration
Small Engines C12 & smaller	Kit 206-5756*	- Base 128-8557 with 1R-0769 (axial seal) or - Base 202-9871 with 1R-0770 (radial seal)	- Base 195-1068 with 1R-0769 (axial seal) FWS or - Base 177-9778 with 1R-0770 (radial seal) FWS**
Medium Engines C15-C16, 3408	Kit 206-5756* The 1R0770, included in the kit, can be replaced with the 1R0771 for additional capacity	- Base 128-8557 with 1R-0781 (axial seal) or - Base 202-9871 with 1R-0771 (radial seal)	- Base 195-1068 with 1R-0781 (axial seal) FWS or - Base 177-9778 with 1R-0771 (radial seal) FWS**

Engine	PrimeTime Pump Prime Only Configuration	Fuel Water** Separator Basic Configuration
3508	Kit 206-5756* (for priming only)	Base 175-7060 with 200-4139 (axial seal)
3512-3516	Kit 206-5756* (for priming only)	232-5263 group, each include (2) base 225-6404 with (2) 200-4139 (axial seal)
3524	Kit 206-5756* (for priming only)	232-5263 group, each include (3) base 225-6404 with (3) 200-4139 (axial seal)

* 270-5320 Water Collection Bowl—220-8678 Bowl/Can Seal
** Install the kit 206-5756 per Special Instruction media# REHS1037-01

Model Specific Electric Priming Pump Kits:

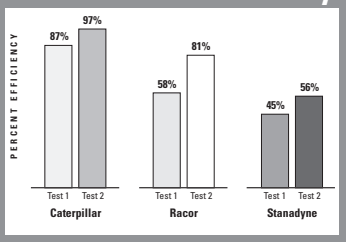
Model	Part No.
D11	205-6452
777	205-6453
793	205645

Extend the life of unit fuel injectors



Undissolved water quantities greater than .1% can cause major damage. Excess water caused metal-to-metal contact between the plunger and barrel in the fuel injector on the left. A Cat Fuel Water Separator protected the injector on the right, preventing damage and extending its life.

Water removal efficiency*



Cat Fuel Water Separators are much more efficient than those produced by other manufacturers. This efficiency minimizes barrel-to-plunger scuffing and significantly reduces the chance of fuel injector failure.

Check the collection bowl daily and drain as needed. In some applications such as marine and underground mining, a metal collection bowl is a safety requirement.

* Test procedures and results are on file and certified to represent the parts actually tested. Caterpillar implies nothing further, and no one should infer that these parts typify the maker's overall production.

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Easy to Install Pump

Electric priming pump works with the flip of a switch, priming in two to six minutes.

Resilient mounting extends pump life and absorbs some of the shock load.

Primary fuel filter removes more than 98% of debris 10 microns and larger.

Water separator removes virtually all free water and 87% of dissolved water from diesel fuel.

Reusable water collection bowl has capacity of 90ml, is transparent for easy monitoring and drains in less than one minute.

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Cat® Hydraulic & Power Train Filters



Three Filter Choices To Lower Contamination

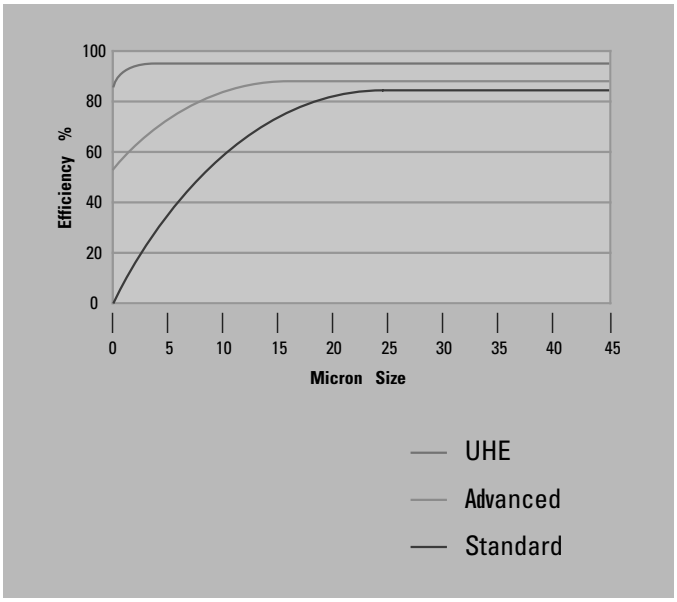
The key to extending hydraulic and power train component life is to reduce contamination. Choosing the correct Cat® filter is essential in minimizing damage to components from abrasives. You should consult your Cat Dealer to determine which Cat Hydraulic and Power Train Filters are available to meet the specific cleanliness needs in your applications.

- Standard Efficiency Filter—media is designed to maintain system cleanliness in most general and light duty applications.
- Advanced High Efficiency Filter—protects systems against accelerated wear with a special filter media to provide greater protection in moderate to severe conditions.
- Ultra High Efficiency (UHE) Filter—features a super-fine synthetic media removes a higher proportion of fine particles for optimum contamination control in moderate and severe applications. Also for use as a "clean out" filter for 250 hours after any maintenance, rebuild or debris invasion.

With tighter tolerances in today's components, it is very important to properly address cleanliness levels. Caterpillar engineers the best protection into all Cat filters, resulting in higher efficiency filtration, longer system life, greater reliability and improved machine productivity.

CATERPILLAR®

Cat® Hydraulic & Power Train Filters





Determine the Best Level of Filtration

Any filter must meet the specifications required for the system it is on. Filter efficiency and capacity must be matched to both the system and the change interval. As a result, the Cat Standard Efficiency Filter is not always the recommended filter for every hydraulic and power train system. Some newer machine models, like large track-type tractors, require Cat Advanced or UHE Filters instead of the Standard Filter for superior protection and maximum system life and performance.

To upgrade filtration performance, the first step is to check the Parts Identification Manual for the recommended filter part number and change interval.

If the recommended filter is a Cat Advanced Filter, then you should never use a Standard Filter. Likewise, if the recommendation is for a Cat UHE Filter, you should never use a Standard or Advanced Filter in its place. You are able to substitute a higher-efficiency filter, but never substitute a lower-efficiency filter for the recommended filter.

Quality Filters, Consistently

All filters should be evaluated not only on the basis of quality, but also consistency. The challenge isn't to make one quality filter, but to manufacture quality filters each and every time. Cat Filters are manufactured in a highly automated process. Strict quality control and automation together virtually eliminate filter-to-filter variation.

Select filters based on three criteria—quality, consistency and on-machine performance. This provides the most cost-effective hydraulic and power train filtration.

Cat® Hydraulic & Power Train Filters

Caterpillar offers the best selection of Hydraulic and Power Train Filters to cover your entire fleet of Cat Equipment.

Hydraulic & Power Train Cartridge Filter Cross Reference

Filter Size	Standard Efficiency	Advanced Efficiency	UHE	Fire Resistant
1 X 4	109-7293	N/A	N/A	N/A
2 X 3	094-1053	N/A	N/A	N/A
2 X 4	109-7289	N/A	N/A	N/A
2 X 8	7F-7238	N/A	N/A	N/A
2 X 8	1G-5459	N/A	N/A	N/A
2 X 8	123-8999	N/A	117-9900	N/A
2 X 9	9U-5871	N/A	N/A	N/A
2 X 10	8T-7479	N/A	N/A	N/A
3 X 4	5J-8879	N/A	N/A	N/A
3 X 4	081-4169	N/A	N/A	N/A
3 X 5	9J-6472	N/A	N/A	N/A
3 X 5	2U-6391	N/A	N/A	N/A
3 X 5	094-4421	N/A	N/A	N/A
3 X 5	180-0850	N/A	N/A	N/A
3 X 6	081-2634	N/A	N/A	N/A
3 X 6	N/A	N/A	280-7424	N/A
3 X 8	9T-9054	N/A	9T-7656	N/A
3 X 8	N/A	N/A	7R-4568	N/A
3 X 8	134-0964	N/A	4C-6860	N/A
3 X 8	185-1379	N/A	185-1378	N/A
3 X 9	8H-0847	N/A	N/A	N/A
3 X 9	N/A	N/A	8T-3815	N/A
3 X 13	1Q-1688	N/A	N/A	N/A
3 X 17	159-2967	N/A	N/A	N/A
4 X 6	9C-8668	N/A	N/A	N/A
4 X 7	077-3250	N/A	N/A	N/A
4 X 7	077-2825	N/A	N/A	N/A
4 X 7	032-9868	N/A	N/A	N/A
4 X 8	123-2873	N/A	N/A	N/A
4 X 8	2C-8410	N/A	N/A	N/A
4 X 8	092-2568	N/A	N/A	N/A
4 X 8	143-2849	N/A	N/A	N/A
4 X 8	159-1427	N/A	N/A	N/A
4 X 8	159-1428	N/A	N/A	N/A
4 X 9	1R-0719	1R-0773	132-8875	4T-3131
*4 X 9	077-5479	N/A	077-5479	N/A
4 X 9	054-1719	N/A	N/A	N/A
4 X 9	086-3940	N/A	N/A	N/A
4 X 9	078-0651	N/A	N/A	N/A
4 X 9	081-3540	N/A	N/A	N/A
4 X 11	N/A	N/A	146-9290	N/A
4 X 11	093-5369	N/A	N/A	N/A
4 X 16	163-4032	N/A	N/A	N/A
4 X 16 R*	7R-8234	N/A	N/A	N/A
4 X 16	077-3569	N/A	N/A	N/A
4 X 26	6E-5216	N/A	N/A	N/A
5 X 5	6J-0363	N/A	N/A	N/A
5 X 6	5J-8877	N/A	N/A	N/A
5 X 7 R*	1R-0735	1R-0777	139-1537	104-6931
5 X 9	1R-0741	1R-0778	132-8876	4T-3132
5 X 9	9G-6420	N/A	N/A	N/A
5 X 10.5	N/A	N/A	1R-1809	N/A
5 X 11 R*	1R-0722	1R-0774	139-1536	4T-3134
5 X 24	N/A	109-7287	N/A	N/A
5.5 X 24	N/A	137-7249	N/A	N/A
6 X 12	094-3229	N/A	139-1539	N/A
**6 X 16	126-2081	179-9806	126-2131	N/A
6 X 18	094-4412	N/A	139-1540	N/A
7 X 9	1R-0732	1R-0792	167-2009	4T-3133
7 x 9 R*	N/A	249-2337	243-3758	N/A
10 X 22	185-1375	192-1560	N/A	N/A

R* = Reverse flow filter
* 083-7905 CRB 077-5479
** 178-9806 used in hammer applications

Hydraulic & Power Train Spin-On Filter Cross Reference

Filter Size	Standard Efficiency	Advanced Efficiency	UHE	Fire Resistant
3 X 5	119-4740	077-3492	211-1026	N/A
3 X 6	4I-3948	184-3931	126-1813	N/A
3 X 6	N/A	5I-8670	N/A	N/A
3 X 9	N/A	130-3212	126-1814	N/A
3 X 9	N/A	4I-3950	126-1814	N/A
3 X 9	N/A	185-0337	126-1814	N/A
4 X 6	090-2900	144-6691	126-1815	121-9868
4 X 6	123-8189	N/A	N/A	N/A
4 X 6	4T-6915	N/A	N/A	N/A
4 X 6	139-4359	N/A	N/A	N/A
4 X 7	N/A	093-7521	N/A	N/A
4 X 7	161-4741	N/A	N/A	N/A
4 X 8	N/A	3T-8642	N/A	N/A
4 X 8	N/A	149-4533	N/A	N/A
4 X 9	N/A	201-0875	223-7810	N/A
4 X 9	N/A	1G-8878	102-2828	156-0214
4 X 10	8C-0292	N/A	N/A	N/A
5 X 7*	N/A	4T-6788	223-7809	N/A
5 X 7**	N/A	9T-8578	144-0832	N/A
5 X 7***	N/A	077-3058	N/A	N/A
5 X 8	N/A	9T-6636	126-1816	N/A
5 X 8	N/A	209-5590	N/A	N/A
5 X 11	9U-6985	9U-5870	9U-6983	198-3188
5 X 11	9U-6985	9U-6984	9U-6983	N/A
5 X 12	N/A	108-1153	126-1817	134-3014
5 X 12	N/A	9T-0973	126-1817	134-3014
5 X 12	N/A	N/A	225-4118	N/A
5 X 12	N/A	6E-6408	126-1818	N/A
5 X 14	N/A	152-6902	207-5035	N/A

* Uses square-cut gasket
** Uses o-ring gasket
*** Uses c-gasket

Product Selection: Compare the Levels of Efficiency

The fine filtering media of higher efficiency filters trap a larger range of contaminants than lower efficiency filters. Lower contaminant levels reduce wear on components, resulting in extended life and improved system performance. The chart below indicates the three Cat filters' relative efficiencies.

Filter	Efficiency Range
Standard	**28 - 40 microns**
Advanced	**11 - 27 microns**
UHE	**4 - 10 microns**

Cat® Hydraulic & Power Train Filters

Filter Upgrade Procedures With A Filter Bypass Dash Indicator



Upgrading from a Cat Standard Efficiency Filter will provide better contamination control. If the system has a filter bypass dash indicator, and the Parts Identification Manual recommends a Cat Standard Efficiency Filter, the Advanced or UHE filter can replace it.

The increased efficiency filters remove additional fine particles, achieving longer hydraulic or power train system life by protecting components from increased wear. Note that an upgrade in filter level may reduce your ability to extend the oil change interval.

Filter Upgrade Procedures Without a Filter Bypass Indicator

1) Install a UHE Filter for a 250-hour interval to clean-up the system.
2) Install a higher efficiency filter, either Advanced or UHE.
3) Sample oil every 100 hours or once a week.
4) Replace the filter if the bypass valve opens before 250 hours.
5) Check oil every 100 hours until the filter lasts 250 hours or a change interval is established.
6) After change interval is established, oil sampling can extend to 500 hours or the recommended sampling interval. Oil cleanliness levels should be ISO 18/15.
7) With these requirements met, the hydraulic oil change interval can be increased to:
   - 4,000 hours when using Cat DEO™, TDTO-TMS™ or MTO with S•O•S oil analysis
     OR
   - 6,000 hours when using Cat HYDO™ Advanced with S•O•S oil analysis

Keeping A Count On Particles

S•O•S℠ Oil Sampling includes Particle Count, which is reported in the form of ISO Codes. Particle Count quantifies the number of particles but cannot distinguish their composition. Each ISO Code represents a range of particles per milliliter. This chart shows how the contamination approximately doubles for each additional increase in the ISO Code. Optimum cleanliness levels for Cat hydraulic and power train systems are ISO 18/15 or less.

ISO Code		Number of Particles/mL
23	— Very Dirty —	40,000 - 80,000
22		20,000 - 40,000
21		10,000 - 20,000
20		5000 - 10,000
19		2500 - 5000
18	— Clean (Operating) 18/15 —	1300 - 2500
17		640 - 1300
16	— Very Clean (Fill Oil) 16/13 —	320 - 640
15		160 - 320
14		80 - 160
13		40 - 80
12		20 - 40
11		10 - 20
10		5 - 10
9		2 - 5
8		1 - 2

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Cat® Crankcase Ventilation (CV) Filter



For Cat® C13 and C15 On-Highway Diesel Engines

It takes a true system approach to engine design to meet the need for high performance and protect air quality at the same time. Every part of the engine has an important role to play, especially the filters.

The Cat CV Filter (part number 296-8325) is an important part of the emissions reduction strategy employed on Cat C13 and C15 on-highway engines to meet 2007 EPA emissions standards.



CATERPILLAR®

Cat® Crankcase Ventilation (CV) Filter

Smart Design

The Cat CV Filter incorporates the housing end cap, o-ring seals and ultra-high efficiency media into one convenient, compact unit for ease of maintenance.

The ultra-high efficiency media element removes vaporized oil droplets and particulate matter from the crankcase blow-by stream. Oil returns to a liquid state as it passes through the media. The oil is then captured in the filter housing and recycled back to the engine's oil sump. At the same time, particulate matter and contaminants are trapped in the media. Cleaned blow-by is routed to the atmosphere through the CV system's outlet tube.

Easy to Service

Replace the Cat CV Filter at the oil change interval recommended in the Operation and Maintenance Manual. Customers using extended oil drain intervals may need to change the filter at intervals differing from the extended oil drain interval.

No special tools are required. To remove the old filter, unscrew the used element from its housing and discard following local filter disposal regulations. To install a new filter, lubricate the o-rings with clean engine oil, thread into the housing and tighten to 25 N-m. Do not over tighten.

The Cat CV Filter and related service parts will be available through authorized Cat Dealers, including TEPS Dealers.

For more information, see us today or visit our web site at www.cat.com

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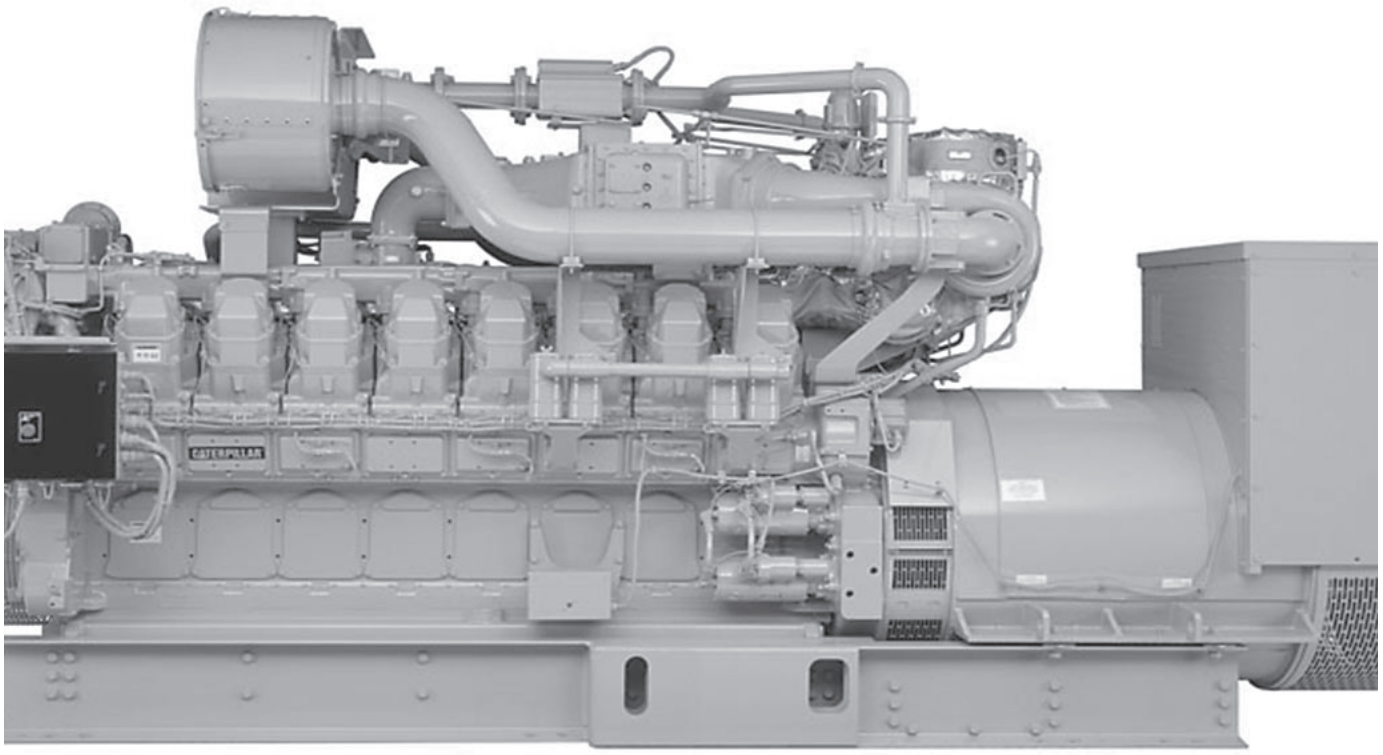


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Preventive Maintenance Products for Cat® Natural Gas Engines



Quality—the best parts for Natural Gas Engines

Cat® filters and fluids support the durability and reliability built into every Cat Natural Gas Engine. Cat Natural Gas Engine Filters defend against engine contamination—even in the harshest operating conditions. Cat Natural Gas Engine Oils reduce internal engine wear and fully support Caterpillar's drain interval recommendations. Cat Natural Gas Engine Coolant also reduces service time while providing advanced engine protection.

Inside Insight

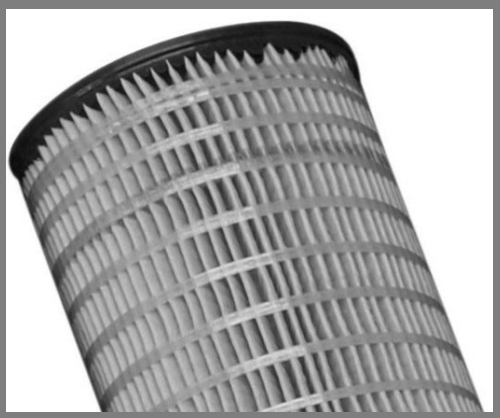
Genuine Cat parts promote peace of mind when it comes to service. S•O•S℠ Services goes one step further: giving you a quantified assessment of your engine's condition—and specific recommendations in easy-to-understand language.

CATERPILLAR®

Preventive Maintenance Products for Cat® Natural Gas Engines







Contamination Control

The enemy of natural gas engines is contamination from particles in the air and in the fluids that are often too small to see. Once inside your engine, contamination can affect performance and service life. Fortunately, Cat Natural Gas Engine Filters, designed as a critical component of Cat Natural Gas Engines, are a great defense against contamination.

The Best Protection

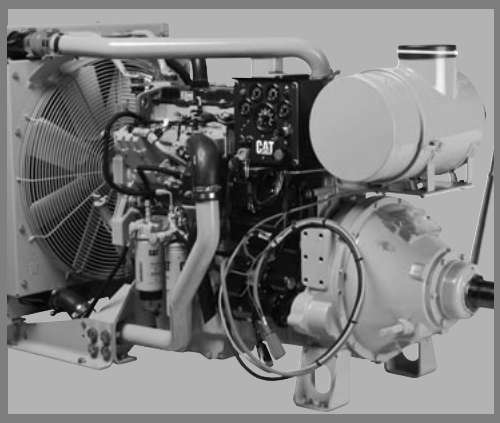
Cat Natural Gas Filter

Take a look inside the Cat Natural Gas Filter. You'll find:
- specially treated borosilicate glass microfibers that actively repel oil and water
- a positive o-ring seal to prevent entry of debris and particulate matter—especially important in high-soot operating conditions that tend to plug normal filters
- chemical-resistant end caps built to withstand the most punishing operating environments

Cat Engine Lube Filter

Take a look inside the Cat Engine Lube Filter. You'll see:
- acrylic beads which keep media pleats spaced apart to ensure maximum capacity for Cat filters
- spiral roving which holds media pleats steady and allows the Cat filter to retain all of the particulates it captures
- urethane end caps that eliminate any possible leak paths around the ends of the media
- nonmetalic center tube which provides better strength and cleanliness than the metal center tubes of "will fit" filter providers

Preventive Maintenance Products for Cat® Natural Gas Engines



Engine-Specific Formulations

All Cat engines share some inherent similarities. But natural gas engines have unique operating characteristics—and different lubrication requirements. Designed with that in mind, Cat Natural Gas Engine Oils maximize natural gas engine performance and minimize maintenance and repair costs.

Natural Gas Engine Oil (NGEO™ EL350)
SAE 40

Proven superiority in thermal stability and resistance to oxidation and nitration. Also supports extended drain intervals compared to earlier formulations.



Natural Gas Engine Coolant (NGEC)

Cat suports a wide variety of applications. Cat Natural Gas Engine Coolant provides those engines with superior protection against pitting, freezing and corrosion.

Simple to Use

This coolant includes both organic and inorganic corrosion inhibitors along with antifoam additives. Cat Natural Gas Engine Coolant comes premixed 50/50 with deionized water and eliminates any need for supplemental cooling additives at the time of initial fill. NGEC has a typical service life of 16,000 hours or three years.

NGEC is available worldwide in a variety of package sizes.



Preventive Maintenance Products for Cat® Natural Gas Engines

S•O•S℠ Services can help you...

Protect the value

Cat equipment is built to deliver the highest possible performance throughout their production life. S•O•S℠ Services can help you maintain performance through your equipment's life cycle.

- S•O•S℠ Services are designed to identify problems before they become major repairs. Early detection is the key to reducing downtime and increasing productivity.
- Performance losses and major repairs of lubricated compartments can often be avoided by monitoring fluid samples.
- Overall, you'll get more work done at a lower cost and have equipment worth more at trade-in or sale.

Get results fast

S•O•S℠ Services allow you to test all oils and have results and recommendations available within 24 hours of receipt. Coolant results and recommendations are available within 72 hours of receipt. Receive results by:

- E-mail • Fax • Web • Postal Mail

You also can receive different reports for different alert levels.

Put results into action

S•O•S℠ Services results are presented in a clear, concise, easy-to-understand report. Trained personnel provide recommendations or specific, immediate actions on each report. If a critical situation is identified, you will be notified immediately.

- Recommendations with alert levels allow you to quickly review the most critical components and prioritize your work.
- Optimize maintenance schedule.
- Optimize component life.

Protect your natural gas engine investment today. Visit us for more information on Cat Natural Gas Engine Filters, Oils and Coolant and S•O•S Services. For more on Cat natural gas engines, visit www.cat.com.

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Cat® Radial Seal Air Filters



Larger capacity, longer service life and lower costs.

This rugged filter has all of the outstanding features of other Cat® Air Filters and more. It provides up to 50% more capacity for longer service life and one-piece urethane end caps for a more consistent bond to the filter media. A more reliable seal permits quick servicing with no tools required.

Radial Seal Filters feature a special adapter ring that can be easily retrofitted to most existing equipment. Once the ring is in place, installation is fast and easy so you spend less time on routine maintenance.

Cat Radial Seal Filters are the best value on the market, with standard filter elements for normal duty and ultra high efficiency elements for extremely dusty and high soot conditions.

Change filters without tools and take advantage of up to 50% more capacity with Cat Radial Seal Air Filters.



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Cat Radial Seal Air Filters

Standard/Radial Seal Filter Conversion Chart

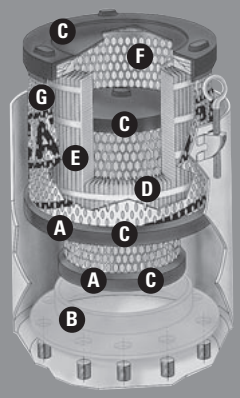
Axial Seal Type		Optional Radial Seal Retrofit Kits	Radial Seal Type		
Former Primary	Former Secondary	Axial to Radial Seal Adapter Kit	Standard Primary	UHE Primary	Secondary
7W-5389	2S1285	6I3828	6I2499	132-7164	6I2500
7W-5389	8N4901	6I3829	6I2499	132-7164	6I2500
7W-5317	2S1286	6I3830	6I2501	128-2686	6I2502
7W-5317	9S9972	6I3831	6I2501	128-2686	6I2502
7W-5316	8N6883	6I3831	6I2503	132-7165	6I2504
7W-5316	2S1287	6I3830	6I2503	132-7165	6I2504
7W-5495	1P7360	6I3832	6I0273	122-1674	6I0274
7W-5313	1P8482	6I3833	6I2505	122-1675	6I2506
7W-5313	6N6444	6I3833	6I2507	132-7166	6I2508
7W-5216	7N1308	6I3833	6I2509	132-7167	6I2510
7W-9853	7W9567	106-7122	106-3969	132-7168	106-3973
4W-5716	6N6067	106-7120 / 111-4376	106-3969	132-7168	106-3973
8N-6309	8N2556	Not available	123-6855	132-7169	123-6856
9Y-7662	9Y7663	Not available	131-8822	134-0685	131-8821

Get 100% of filter life.

Use the Cat Air Filter Service Indicator to get an accurate, continuous reading of how much life remains in your filter. The easy-to-understand graduated readings let you change the filter only when needed. Over-servicing and under-servicing are eliminated, so you get the lowest possible cost per hour. See your Cat Dealer about retrofits on most Cat machines.



For more information about all Cat filters, visit our Website at www.cat.com or contact your local dealer.



A Radial Seal Design
No tools are required so service times and maintenance costs are minimized.

B All Steel Adapter Ring
Most new Cat machines leave the factory with Radial Seal Air Filters installed. Most older machines can be easily converted with this adapter. It quickly bolts into position to accept the new filter design.

C One-Piece Molded Urethane End Caps
Forms a tough, reliable, corrosion-proof bond to paper media. Up to 30% more seal contact area for a seal that is more reliable than conventional elements.

D Densely Pleated Filter Paper
Large media area provides superior capacity without impeding airflow.

E Built-In Pleat Support and Positive Pleat Spacing
Prevents pleat bunching and ensures optimum filter media surface area.

F Heavy-Duty Metal Inner and Outer Wrap
Increases structural strength and durability.

G Baked-On Enamel Outer Filter Wrap
Creates a corrosion resistant filter wrap.

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Cat® Transmission Filters

Filters designed specially for transmission and powertrain oil applications.



Designed for Longer Life and Improved Performance in Transmission Applications

A line of Cat Transmission Filters has been introduced to better meet the specific needs of transmission applications. The new Cat Transmission Filters feature a synthetic media designed to deliver a high level of filtration performance and to reduce pressure drop across the media. This gives the new transmission filters a significantly higher dirt holding capacity and better cold weather performance.

System and Performance Benefits

- Greater dirt holding capacity for longer life
- A filtration efficiency matched to the needs of transmission applications
- Reduced pressure drop across the media
  - Better cold weather performance
  - Fewer instances of filter bypass
- Improved protection for sensitive electronic control valves



CATERPILLAR®

Cat® Transmission Filters

New Transmission Filters Mean Better Performance

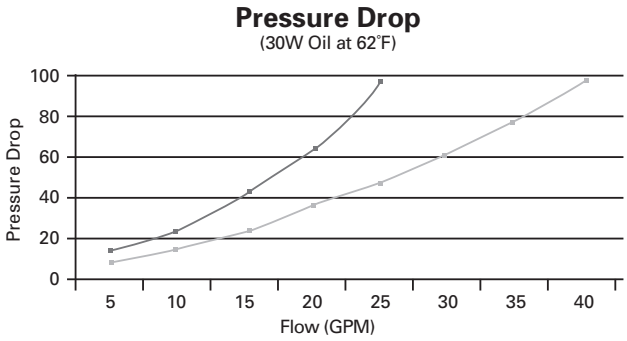
Caterpillar recommends Cat Advanced High Efficiency Transmission Filters for transmission applications because they are designed to meet the specific needs of the powertrain.



Switching to these new filters greatly increases filter life and provides better transmission component protection. Cat Transmission Filters perform better in cold weather and during cold starts instances of filter bypass are greatly reduced, especially when using higher viscosity oils.

Improved Transmission Performance

The test results below demonstrate that Cat Advanced High Efficiency Transmission Filters with synthetic media reduce pressure drop issues in comparison to hydraulic filters with synthetic media. This means reduced bypass and less wear of transmission components.



Transmission Filter Recommendations

Caterpillar recommends using the transmission filters below for transmission applications in place of the previously recommend hydraulic filters.

Transmission Filters	
Recommended	**Replaces**
341-6643	1G-8878
328-3655	1R-1809 *
343-4464	132-8875 1R-0773
343-4465	132-8876 1R-0778

* This part number has been discontinued. The replacement for hydraulic applications is 338-3540.

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Cat® Turbine PreCleaner



Three Times the Filter Life Means Less Maintenance Downtime



Air filter life is directly related to the amount of debris ingested through the engine air intake. Installing a Cat® Turbine PreCleaner as the first stage of an air intake system prevents nearly all of the heavier-than-air particles from entering the system, which results in longer air filter life, more efficient engine performance, and decreased maintenance expenses.

Benefits

Significantly lower owning and operating costs
- Lowers cost per operating hour because cleaner air means longer filter life.
- Lowers air restriction, which increases useable horsepower and improves fuel economy.
- Three times filter life with a reduction in labor, parts, and downtime.

No routine maintenance requirements
- Debris is immediately ejected from the unit, no cleaning required.

Built to last
- Rugged polymer construction gives the strength of steel with the light weight of plastic.
- Sealed bearing cavity eliminates wear due to moisture or corrosion.
- No spot welds that will break over time.

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Cat® Turbine PreCleaner

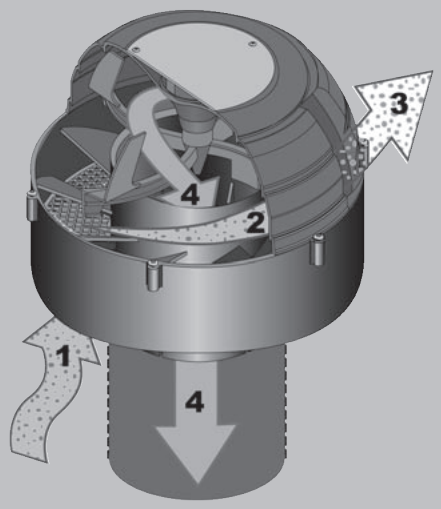
How it works:

Step 1: Air and debris pass through a prescreen on the underside, entering the unit through recessed vanes underneath the particle accelerator blades.

Step 2: The curved particle accelerator blades force air and debris into the sidewall.

Step 3: Strakes (angled fins) along the interior surface move heavier-than-air debris towards the ejection slot, where it is expelled back into the atmosphere.

Step 4: Clean air continues to spin upward, until it is compressed and folded. The clean air is then forced down into the engine air inlet pipe.



Features

Prescreen Eliminates Clogs – Inlet prescreen on the underside eliminates clogs and jams by preventing any debris larger than the ejection slot from entering the precleaner.

Internal Strakes (angled fins on sidewall) – catch debris in outer orbits and channel the debris horizontally to the ejection slot.

Toroidal Dome – Shape enhances separation process by preventing debris from being sucked in through the ejection port. Debris is ejected and clean air continues to rise, until the dome shape folds it and sends it into the engine air intake.

Rotor Technology – Large rotor arm cross-sectional area ensures rotor will not snap under load when impacted with mixed debris fields like wood chips, chaff, or small rocks. The rotor accelerates the airflow to improve the separation process and curved swept arms sling debris to the outer orbits of the toroidal dome.

Exclusive Sealed Bearing Cavity – Bearings are packed in a 20% grease concentration—instead of the typical 10-15% used by competitors—to allow operation in extreme cold. The bearings are protected with a labyrinth seal, an o-ring seal, and a top cap to keep debris and moisture out.

Break-away Technology – The dome is designed to break away from the base if heavily impacted by an obstacle on the jobsite. This feature prevents costly damage to the engine air intake system.

Heavy Debris Screen Kits – Kits are available for debris-laden applications, such as: Landfill, Forestry, etc.



Cat® Turbine PreCleaner

Recommended Uses

Air Flow Range: Eight models in sizes that range from 3" to 8" to handle 50 – 1,400 Cubic Feet per Minute (CFM), and much higher CFMs with multiple-unit installations (contact your dealer for assistance).

Mounting & Equipment Types: Mounts on all vertical and horizontal air cleaner housings, on all machines.

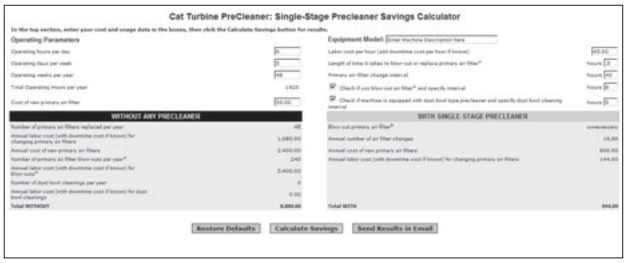
Recommended Uses: Construction, mining, forestry, landfills, farming, military, and more.

Debris Types: Expels all types of mixed debris, including mud, snow, rain, leaves, sawdust, chaff, dust, etc. Debris-laden applications may require an optional Heavy Debris Basket Screen.

Online Savings Calculator

Make your own cost-saving case study with the Cat Turbine PreCleaner online Savings Calculator.

www.cat.com/parts/precleaner



Enter your own data and costs to see how much time and money the Cat Turbine PreCleaner can save you each year.

Find out how quickly the precleaner will pay for itself.

Email the results to yourself or your purchasing department.

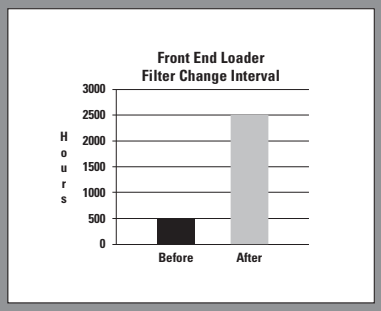
Case Studies Demonstrate At Least 3x Filter Life

5x Filter Life With Concrete Dust

Location: Ready-Mix Plant, FL, USA
Machine: Medium Wheel Loader
Test Period: 5,000 hours

Before precleaner installation, filters were blown-out every 250 hours (not recommended) and changed every 500 hours in accordance with planned maintenance schedule.

After precleaner installation, only two filters were used during 5,000 hours of operation. The filters were never blown out and were only changed when the restriction gauge indicated a change was necessary.

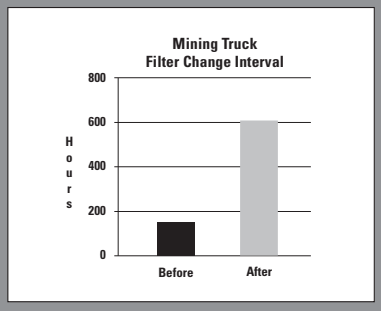


4x Filter Life Improvement With Quarry Dust and Debris

Location: Rock Quarry in England
Machine: 777D Large mining truck with dual air filters
Test Period: 2,000 operating hours

Before precleaner installation, both filters were changed every 150 hours and blown out every 60 hours. Filters were changed when the restriction light came on.

After precleaner installation, both filters were changed at 610 hours, even though there was no restriction indicated by the signal light.



Cat® Turbine PreCleaner

Sizing Information

Air Flow Range	Part Number	Intake Size (inches)	Height (inches)	Weight (pounds)
50 – 120 CFM (1.42 - 3.40 m^3/m)	143-7753	3	4.20	0.80
100 – 275 CFM (2.83 - 7.79 m^3/m)	130-3279	4	6.28	2.57
275 – 350 CFM (7.79 - 9.91 m^3/m)	070-0195	4	6.28	2.40
350 – 500 CFM (9.91 - 14.16 m^3/m)	343-5645	5	7.90	2.00
500 – 650 CFM (14.16 - 18.41 m^3/m)	130-3280	6	11.10	6.50
650 – 800 CFM (18.41 - 22.65 m^3/m)	070-0107	6	11.10	6.43
800 – 1,150 CFM (22.65 - 32.56 m^3/m)	130-3281	8	14.44	11.80
1,150 – 1,400 CFM (32.56 - 39.64 m^3/m)	130-3282	8	14.44	11.00

Use the Online Sizing Wizard to determine the part number you need, and whether an installation kit is necessary:
www.cat.com/parts/precleaner

Heavy Debris Screen Kit

Debris-laden applications may require the optional Landfill/Forestry Heavy Debris Basket Screen:

5-inch kit: 271-0259
6-inch kit: 153-1277
8-inch kit: 153-1278



Field Installation Kits Make It Easy

The precleaner fits directly onto the engine air inlet pipe. Adapter kits are available if reduction, expansion, or extension is needed.



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CATERPILLAR®
TODAY'S WORK. TOMORROW'S WORLD.™

Cat® UHE Air Filters



Early Filtration Efficiency Provides Longer Engine Life

Cat UHE (Ultra High Efficiency) Air Filters feature a unique surface that extends filter life up to six times that of standard filters and benefits engine life. Caterpillar engineers its UHE Air Filters to provide best protection for your engine components.

- **Less dust ingested = reduced engine wear**—An immediate dust build-up on the filter's very fine synthetic surface creates a cake that reduces the amount of dust reaching the engine. UHE Air Filters are almost at peak efficiency when brand new.
- **Higher efficiency = less restriction**—The surface particle cake is more porous than standard dust-coated media fibers, allowing deeper fibers to filter longer while providing better air flow.
- **Less restriction = better engine performance and fuel economy**—It takes less power to pull in air so the engine "breathes" easier.
- **Longer filter life = reduced contamination**—Higher dust capacity reduces filter changes and the chance of contamination during service for even greater protection.



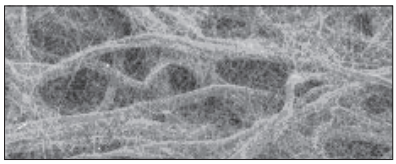
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Cat® UHE Air Filters

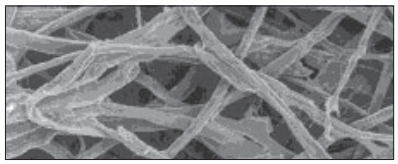
More efficient early, more efficient overall

So-called "dirty" filters can be more efficient than new ones because dust cake buildup on the surface actually increases filtration. Designed with this concept in mind, UHE Air Filters feature a unique media. This media has a very fine synthetic surface layer that covers the entire outside diameter of the filter. Here's how it works:

- Fine particles (dust, heavy carbon/coal dust, soot, talc, etc.) immediately cake on the surface, quickly making the filter very efficient. Less dust gets to the engine, improving fuel economy while reducing wear and maintenance costs.
- Surface particle cake is more porous than dust-coated media, causing less restriction during filter life to improve capacity, engine performance, and fuel economy. In tests, air flow restriction through UHE Air Filter media increased at a lower rate than five other major brands.
- Because particles get trapped in the build-up on the surface of UHE Air Filters, the media stays permeable longer—unlike filters with standard media, which become dust-filled deep inside. This extends filter life and filtration efficiency up to six times that of standard media. Extending filter change intervals also means the engine will be exposed to less dust over its life.



Ultra High Efficiency Media



Standard Media

Filters with standard media (right) become dust-filled deep inside the media. Because particles get trapped in the particle build-up on the surface of UHE Filters (left), the media remains permeable longer—extending filter life and efficiency.

Up to six times the life in fine dust or heavy carbon environments

UHE Filters work best in applications where extremely fine dust particles make up a high percentage of contaminants in the atmosphere or in operating conditions with high amounts of exhaust soot, which tends to plug normal filters at low hours.

Avoiding excessive dust on the job site may not be possible. Avoiding damage the dust can cause is possible with Cat UHE Air Filters.



Get 100% of Filter Life

Use the Cat Air Filter Service Indicator to get an accurate, continuous reading of how much life remains in your filter. The easy-to-understand graduated readings let you change the filter only when needed. Over-servicing and under-servicing are eliminated, so you get the lowest possible cost per hour. See your Cat Dealer about retrofits on most Cat machines.

Caterpillar offers the best selection of UHE Air filters to cover your entire fleet of Cat equipment.

AVAILABILITY

Standard Radial Seal	Ultra High Efficiency Radial Seal
6I-2499	132-7164
6I-2501	128-2686
6I-2503	132-7165
6I-0273	122-1674
6I-2505	122-1675
6I-2507	132-7166
6I-2509	132-7167
106-3969	132-7168
123-6855	132-7169
131-8822	134-0685
–	156-9328*
142-1339	220-0453
142-1340	220-0454
165-1689	220-0455
277-7838	277-7837

Standard Axial Seal	Ultra High Efficiency Axial Seal
4W-5716	132-7170
4W-5228	132-7171
1W-3637	132-7172
8N-6309	185-8786
9Y-7662	132-7173

*950 G conical filter for severe applications

Axial To Radial Seal Adapter Kit Cross Reference

Axial Primary Air Filter	Axial Secondary Filter	Radial Seal Adapter Kit	Radial Seal Primary	Radial Seal Secondary
7W-5389	2S-1285	6I-3828	6I-2499	6I-2500
7W-5389	8N-4901	6I-3829	6I-2499	6I-2500
7W-5317	2S-1286	6I-3830	6I-2501	6I-2502
7W-5317	9S-9972	6I-3831	6I-2501	6I-2502
7W-5316	8N-6883	6I-3831	6I-2503	6I-2504
7W-5316	2S-1287	6I-3830	6I-2503	6I-2504
7W-5495	1P-7360	6I-3832	6I-0273	6I-0274
7W-5313	1P-8482	6I-3833	6I-2505	6I-2506
7W-5313	6N-6444	6I-3833	6I-2507	6I-2508
7W-5216	7N-1308	6I-3833	6I-2509	6I-2510

For more information, see us today or visit our web site at www.cat.com

CAT® DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

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CATERPILLAR®
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Cat® Bio HYDO™ Advanced



High Performing, Environmentally Friendly



Cat® Bio HYDO™ Advanced is an environmentally friendly hydraulic fluid that has the drain interval of premium mineral-based oil. Developed for use in any environment, Cat Bio HYDO Advanced provides superior performance across a wide temperature range and many applications, including: Construction, Forestry, Dredging, Ports, Tunnel Boring.

Benefits

Environmentally Friendly
- Non-toxic formula
- Readily biodegradable
- EU Flower eco-label certified

Extended Drain Intervals
- Excellent oxidation stability
- Comparable to premium mineral-based hydraulic oils

Exceptional System Protection
- Superior wear protection
- Corrosion resistance
- Fast air release

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Cat® Bio HYDO™ Advanced

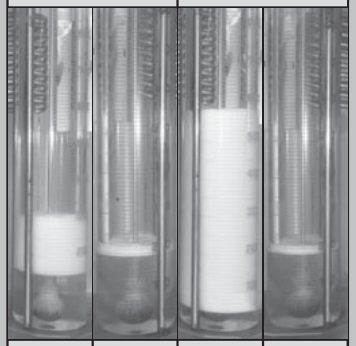
Low Foaming Formula Protects Components and Provides Better Hydraulic Control

Good foam control and fast air release are important properties of hydraulic fluid.

Air trapped in hydraulic oil reduces system response and causes "sponginess" of controls. Trapped air also accelerates oil degradation. Excessive air and foam can lead to cavitation (collapsing air bubbles) and damage to hydraulic components.

Cat Bio HYDO Advanced releases air very quickly and special additives keep the hydraulic fluid clear of foam, even when it becomes contaminated with engine oil.

Foaming Test Results
(Contamination with 5% mineral oil)

After 1 Minute		After 5 Minutes	
			
Competitive Formulation	Cat Bio HYDO™ Advanced	Competitive Formulation	Cat Bio HYDO™ Advanced

Features

Long Life – Cat Bio HYDO Advanced outperforms the previously recommended Cat Bio HYDO and competitive brands. In fact, Cat Bio HYDO Advanced performance is comparable to premium mineral-based hydraulic oils. Like Cat HYDO Advanced, Cat Bio HYDO Advanced can be taken up to a 6,000 hour drain interval with S•O•S℠ Fluid Analysis.

Biodegradable – readily biodegradable and non-toxic, so that it can be used in environmentally sensitive areas without concern.

Wide Temperature Range Protection – maintains consistent wear protection throughout the entire temperature range, -22°F (-30°C) – 113°F (45°C). From cold start through to operating temperature, Cat Bio HYDO Advanced gives you the best system protection.

Improved Flow Through Filters – retains its ability to flow through filters even when water is present.

Seal Compatibility – Cat Bio HYDO Advanced is highly compatible with the seals used in Cat Hydraulic systems. This means fewer leaks and lower maintenance costs.

Component Protection – specially developed additives form a protective layer on wear surfaces, reducing wear in hydraulic pumps and other components. Cat Bio HYDO Advanced provides excellent corrosion protection to steel and bronze components, even at high temperatures.



Cat® Bio HYDO™ Advanced

Sustainable Development

Caterpillar is working to make it easier for you to reach your sustainable development goals. Cat Bio HYDO Advanced is formulated to provide the performance and protection of a premium hydraulic fluid, while safeguarding the environment. This has been recognized by a number of environmental organizations.

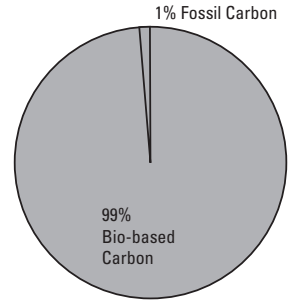
Eco-labeling organizations serve as a guide for consumers looking for solutions that support sustainable development. Products are evaluated and certified with an eco-label when certain criteria are met.

Cat Bio HYDO Advanced has been awarded a number of eco-labels, including the EU Flower. The EU Flower is the only eco-label that covers all aspects of sustainability, including product performance, toxicology, environmental protection, and the utilization of renewable resources.

Positive CO_2 Balance

Cat Bio HYDO Advanced uses 99% bio-based carbon. Unlike fossil carbon, bio-based carbons are derived from renewable sources. This means that Cat Bio HYDO Advanced is carbon neutral.

Some competitive biodegradable hydraulic fluids are composed of more than 90% fossil carbon, giving them a negative CO_2 balance.



Cat Bio HYDO Advanced carbon content



Cat Bio HYDO Advanced is currently available in these sizes. Contact your local Cat Dealer to place an order.

Package Size	
English	**Metric**
5 Gallon	20L Pail
55 Gallon Drum	208L Drum

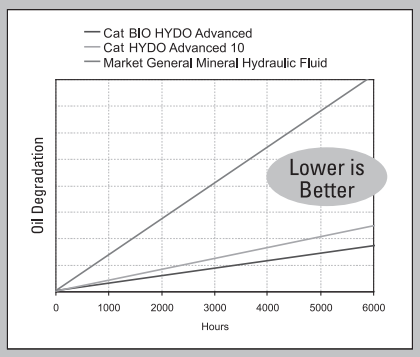
Long Drain Intervals

In the past, switching from a mineral-based hydraulic fluid to a biodegradable fluid meant shorter drain intervals and increased operation cost. This was true even for synthetic bio-fluids.

Cat Bio HYDO Advanced is different. It performs like a premium mineral-based hydraulic fluid.

Even during severe applications, Cat Bio HYDO Advanced can be taken up to 6,000 hours with S•O•S Fluid Analysis.

In testing, Cat Bio HYDO Advanced demonstrated performance similar to that of Cat HYDO Advanced and outperformed a competitive bio-based hydraulic fluid by three times.



A lower oil degradation rate gives you more hours of oil life.

Cat® Bio HYDO™ Advanced

Cat Bio HYDO Advanced Typical Characteristics[1]

Characteristics	Cat Bio HYDO Advanced (HEES)	Typical Environmentally Friendly Synthetic Ester HEES Hydraulic Oil[2]	Typical Premium Industrial Hydraulic Oil[2], HVLP[2] or HV[2]	Benefits of Cat Bio HYDO Advanced
Oxidation Stability Test, ASTM D493 (Longer is better)	More than 3,000 hours (Dry)	Less than 500 hours (Dry)	2,000 hours	Long Drain Interval Results in Reduced Owning & Operating Cost
Long Drain Interval Capability	Yes	No	No	
Suitable for Use in Environmentally Sensitive Areas	Yes	Yes	No	Low Environmental Impact
Renewable Content, ASTM D6866	>80%	>50%	None	
Viscosity at 100°C, ASTM D445	8.6 cSt	8.1 – 9.0 cSt	8.0 cSt	Excellent Wear Protection and Wide Operating Temperature Range Cat Bio HYDO Advanced is Recommended for Ambient Temperatures from -30°C to +45°C
Viscosity at 40°C, ASTM D445	44.3 cSt	46 cSt	46 cSt	
Viscosity Index, ASTM D2270 (Higher is better)[3]	176	150 – 180	140	
Viscosity at 100°C, ASTM D445 During Use After Shear[3]	8.6 cSt	9 cSt	6.6 cSt	
Pour Point, ASTM D 97	-45°C	-36°C	-36°C	
Brookfield Viscosity at -20°C ASTM D2983	1,227 cP	2,500 cP	2,500 cP	
Brookfield Viscosity at -30°C ASTM D2983	3,039 cP	–	–	
FZG Gear Test, DIN 51534, Fail Stage[4] (Higher is better[4])	>12	12	11	
4-Ball Wear Test, ASTM D4172	0.35 mm	–	–	
35VQ25 Total Wear, mg (Lower is better)	25 mg	<90 mg	<90 mg	
Air Release at 50°C (ASTM D3427) (Lower is Better)	1 minute	7 min – 13 min	7 min – 13 min	Faster Air Release Reduces Cavitation Damage
Copper Strip Corrosion, ASTM D130, 3 Hours (1A is better than 1B, 1A at 150°C is better than 1A at 100°C)	1A at 150°C	1B at 100°C	1B at 100°C	Best in Class Corrosion Protection
Corrosion Protection, ASTM D665B	Pass	Pass	Pass	

[1] The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.
[2] Not recommended for use in Caterpillar Hydraulic systems.
[3] High viscosity index oils containing viscosity modifier additives will become thinner during use, this will reduce the level of protection.
[4] In addition to high FZG rating, the oil must demonstrate excellent protection to hydraulic pumps and motors, excellent corrosion protection, and compatibility with metals and seals.

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We offer you the right parts and service solutions, when and where you need them.

The Cat dealer network of highly trained experts can help you maximize your equipment investment.



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CATERPILLAR®
TODAY'S WORK. TOMORROW'S WORLD.™

Cat® DEO™

Diesel Engine Oil for World Wide (except North America, Egypt, Saudi Arabia, Brazil). **SAE 15W-40, SAE 10W-30**



Recommended Use

- Cat earthmoving, commercial, marine* and on-highway truck diesel engines
- Low-emission diesel engines including Cat engines with ACERT® Technology
- Heavy-duty diesel engines made by other manufacturers that recommend API CI-4, CH-4 or CG-4 classification oil (See "Typical Characteristics" on page 2 for more information)
- Automotive gasoline engines that require API SL classification oils

* Excluding 3600, C280, 3126 and 3116 MUI Marine and MaK diesel engines. The 3116 and 3126 MUI Marine diesel engines with closed crankcase ventilation systems should use Cat SAEO™.

Discover the Difference

Cat DEO is developed, tested and approved by Caterpillar to meet the same high standards as all Genuine Cat Parts.

- Factory-Fill—Used as standard factory-fill for Cat machines.
- Increased Engine Life—Resists oxidation and prevents buildup of deposits on pistons and rings.
- Extended Drain Intervals—Extends oil drain intervals while providing excellent engine protection and performance when used in conjunction with our S•O•S℠ Services oil analysis program.
- Proven Performance—Tested thoroughly in Cat diesel engines including Cat engines with ACERT Technology to ensure excellent engine life and performance.
- Long-Lasting Protection—Improved soot control and enhanced shear stability enable oil to maintain proper viscosity for longer operating periods in Cat engines with ACERT Technology, especially those equipped with HEUI systems.

CATERPILLAR®

Cat DEO

Cat DEO Performance

Performance Requirements	Test	Commercial ECF-2	Cat DEO
Cat 3406E Endurance Test	Cat Proprietary		
Cat C13 ACERT Endurance Test	Cat Proprietary		
Cat 3500 Series Test	Cat Proprietary		
Cat C13 ACERT Series Wheel Loader Test	Cat Proprietary		
C13 500 Hour Engine Test			
Improved Soot-Viscosity Shear Control			
High Temperature Shear			
Elastomer Compatibility			
Piston ring Cylinder liner wear			
Valve train wear, sludge, oil filter plugging			
Aeration Control			
Bearing Corrosion			
Cam roller follower pin wear			
Copper, lead and tin erosion			
Foaming Control			
Viscosity Shear loss			
Viscosity Increase from soot			
Oxidation			
Piston deposits and oil control			

Typical Characteristics*

SAE Viscosity Grade	15W-40	10W-30**
API Service Classification: Diesel	CI-4, CH-4, CG-4, CF-4/CF	CI-4, CH-4, CG-4, CF-4/CF
Gasoline	SL	SL
ACEA Classifications	E5/B3/A2	
OEM Performance Level: Caterpillar	ECF-2	ECF-2
MB	228.3	
MAN	3275	
Volvo	VDS-3	VDS-2
RVI	RLD	
Cummins	CES 20071/72/76/77	CES 20071/76
Mack	EO-M PLUS	EO-M PLUS
Flash Point, °C (ASTM D92)	224	222
Pour Point, °C (ASTM D97)	–30	–36
Viscosity: cSt @ 40° C (ASTM D445)	103	76
cSt @ 100° C (ASTM D445)	14.2	11.5
Viscosity Index (ASTM D2270)	139	145
Sulfated Ash, % wt. (ASTM D874)	1.1	1.1
TBN (ASTM D2896)	10.6	11.3
Zinc, % wt. (ASTM D4951)	0.133	0.146
Gravity @ 16° C: API (ASTM D287)	29.7	31.3
Specific	0.878	0.869

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.
**Not available in all regions.

Tested Beyond Industry Standards

In addition to the tests required for the ECF-2 classification, Cat DEO undergoes four proprietary multi-cylinder endurance tests, a variety of quality assurance tests and thousands of hours of field service. Only when it has passed all these tests can it be approved by Caterpillar. The chart to the left indicates the differences between ECF-2 standards and the proprietary standards of Caterpillar.

S•O•S℠ Services for early problem detection

Protect your investment with Cat S•O•S oil analysis, the ultimate detection and diagnostic tool for your equipment. S•O•S helps you detect potential problems before they can lead to major failures and costly, unscheduled downtime.

Cat Filters: Complete protection for your machine

Combine Cat Fluids with Cat Filters for the highest level of contamination control and protection for your machine. We recommend Cat Filters for all Cat machine applications.

CAT® DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.



Health and Safety

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, visit us on the web at www.catmsds.com.

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Cat® DEO™

Diesel Engine Oil for Egypt and Saudi Arabia

SAE 15W-40





Recommended Use

- Cat earthmoving, commercial, marine and on-highway truck diesel engines*
- Low-emission diesel engines including Cat engines with ACERT® Technology
- Heavy-duty diesel engines made by other manufacturers that recommend API CH-4 or CG-4 classification oil (See "Typical Characteristics" on page 2 for more information)
- Automotive gasoline engines that require API SJ classification oils

* Excluding 3600, 3116 and 3126 MUI Marine and MaK diesel engines. The 3116 and 3126 MUI Marine diesel engines with closed crankcase ventilation systems should use Cat SAEO™.

Discover the Difference

Cat DEO is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Factory-Fill—Used as standard factory-fill for Cat machines.
- Increased Engine Life—Resists oxidation and prevents build-up of deposits on pistons and rings.
- Longer Intervals—Extends oil drain intervals while providing excellent engine protection and performance when used in conjunction with our S•O•S℠ Services oil analysis program.
- Proven Performance—Tested thoroughly in Cat diesel engines including Cat engines with ACERT Technology to ensure excellent engine life and performance.
- Long-Lasting Protection—Improved soot control and enhanced shear stability enable oil to maintain proper viscosity for longer operating periods in Cat engines with ACERT Technology, especially those equipped with HEUI systems.

CATERPILLAR®

Cat® DEO

Cat DEO Performance

Performance Requirements	Test	Commercial ECF-1	Cat DEO
Cat 3406E Endurance Test	**Cat Proprietary**		
Cat ACERT C-12 Endurance Test	**Cat Proprietary**		
Cat 3500 Series Test	**Cat Proprietary**		
C13 ACERT Series Wheel Loader Test	**Cat Proprietary**		
Improved Soot-Viscosity & Shear Control			
High Temperature Shear			
Elastomer Compatibility			
Piston ring & Cylinder liner wear			
Valve train wear, sludge, oil filter plugging			
Aeration Control			
Bearing Corrosion			
Cam roller follower pin wear			
Copper, lead and tin erosion			
Foaming Control			
Viscosity Shear loss			
Viscosity Increase from soot			
Oxidation			
Piston deposits and oil control			

Typical Characteristics*

SAE Viscosity Grade	15W-40
API Service Classifications	
Diesel	CH-4, CG-4, CF-4/CF
Gasoline	SJ
OEM Performance Level:	
Caterpillar	ECF-1-a
RVI	–
Cummins	CES 20071/72/76/77
Mack	EO-M Plus
Flash Point, °C (ASTM D92)	184
Pour Point, °C (ASTM D97)	-30
Viscosity	
cSt @ 40°C (ASTM D445)	103
cSt @ 100°C (ASTM D445)	14.2
Viscosity Index (ASTM D2270)	141
Sulfated Ash, % wt. (ASTM D874)	1.3
TBN (ASTM D2896)	11.3
Zinc, % wt. (ASTM D4951)	0.146
Gravity @ 16°C	
API (ASTM D287)	28.0
Specific	0.89

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Tested Beyond Industry Standards

In addition to the tests required for the ECF-1-a classification, Cat DEO undergoes four proprietary multi-cylinder endurance tests, a variety of quality assurance tests and thousands of hours of field service. Only when it has passed all these tests can it be approved by Caterpillar. The chart to the left indicates the differences between ECF-1-a standards and the proprietary standards of Caterpillar.

Cat DEO also passes the Cat C13 multi cylinder oil test engine 500-hour test protocol that is a key requirement of the new Cat ECF-2 specification. The Cat C13 multi cylinder oil test engine provides significant improvements in defining the oil needs of Cat diesel engines in order to provide advanced piston deposit control and reliable service over the life of the engine.

S•O•S℠ Services for early problem detection

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Cat Filters: Complete protection for your machine

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Health and Safety

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin, or respiratory irritation. Always observe good hygiene guidelines. For more information, refer to the Material Safety Data Sheet at www.catmsds.com

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Cat® DEO™

Diesel Engine Oil for North America (Canada, Mexico, United States).

SAE 15W-40, SAE 10W-30



Recommended Use

- Cat earthmoving, commercial, marine* and on-highway truck diesel engines
- Low-emission diesel engines including Cat engines with ACERT® Technology
- Heavy-duty diesel engines made by other manufacturers that recommend API CI-4 PLUS, CH-4 or CG-4 category oil (See "Typical Characteristics" on page 2 for more information)
- Automotive gasoline engines that require API SL category oils

* Excluding 3600, C280, 3126 and 3116 MUI Marine and MaK diesel engines. The 3116 and 3126 MUI Marine diesel engines with closed crankcase ventilation systems should use Cat SAEO™.

Discover the Difference

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Factory-Fill—Used as standard factory-fill for Cat machines.

Increased Engine Life—Resists oxidation and prevents build-up of deposits on pistons and rings.

Longer Intervals—Extends oil drain intervals while providing excellent engine protection and performance when used in conjunction with our S•O•S℠ Services oil analysis program.

Proven Performance—Tested thoroughly in Cat diesel engines including Cat engines with ACERT Technology to ensure excellent engine life and performance.

Long-Lasting Protection—Improved soot control and enhanced shear stability enable oil to maintain proper viscosity for longer operating periods in Cat engines with ACERT Technology, especially those equipped with HEUI systems.

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CATERPILLAR®

Cat DEO

Cat DEO Performance

Performance Requirements	Test	Commercial ECF-1	Cat DEO
Cat 3406E Endurance Test	Cat Proprietary		
Cat C13 ACERT Endurance Test	Cat Proprietary		
Cat 3500 Series Test	Cat Proprietary		
Cat C13 ACERT Wheel Loader Test	Cat Proprietary		
Improved Soot-Viscosity & Shear Control			
High Temperature Shear			
Elastomer Compatibility			
Piston ring & Cylinder liner wear			
Valve train wear, sludge, oil filter plugging			
Aeration Control			
Bearing Corrosion			
Cam roller follower pin wear			
Copper, lead and tin erosion			
Foaming Control			
Viscosity Shear loss			
Viscosity Increase from soot			
Oxidation			
Piston deposits and oil control			

Tested Beyond Industry Standards

In addition to the tests required for the ECF-1 classification, Cat DEO undergoes four proprietary multi-cylinder endurance tests, a variety of quality assurance tests and thousands of hours of field service. Only when it has passed all these tests can it be approved by Caterpillar. The chart to the left indicates the differences between ECF-1 standards and the proprietary standards of Caterpillar.

Typical Characteristics*

SAE Viscosity Grade	15W-40	10W-30
API Service Classification		
Diesel	CI-4 PLUS, CI-4, CH-4, CG-4,CF-4/CF	CI-4, CH-4, CG-4, CF-4/CF
Gasoline	SL	SL
OEM Performance Level:		
Caterpillar	ECF-1	ECF-1
Volvo	VDS-3	VDS-2
DDC	93K214	
Cummins	CES 20071/76/78	CES 20071/76
Mack	EO-NPP '03, EO-M Plus	EO-M Plus
Flash Point, °C (ASTM D92)	224	227
Pour Point, °C (ASTM D97)	-30	-33
Viscosity		
cSt @ 40°C (ASTM D445)	120.5	76
cSt @ 100°C (ASTM D445)	15.5	11.5
Viscosity Index (ASTM D2270)	135	145
Sulfated Ash, % wt. (ASTM D874)	1.3	1.3
TBN (ASTM D2896)	11.3	11.3
Zinc, % wt. (ASTM D4951)	0.146	0.146
Gravity @ 16°C		
API (ASTM D287)	29.3	31.8
Specific	0.880	0.867

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Other Recommended Oils

Cat DEO SYN™ 5W-40

For engines that must be started in extremely low temperatures down to -30°C(-22°F) consider using Cat DEO SYN 5W-40. This is a full synthetic diesel engine oil.

S•O•S Services for early problem detection

Protect your investment with Cat S•O•S oil analysis, the ultimate detection and diagnostic tool for your equipment. S•O•S helps you detect potential problems before they can lead to major failures and costly, unscheduled downtime.

Cat Filters: Complete protection for your machine

Combine Cat Fluids with Cat Filters for the highest level of contamination control and protection for your machine. We recommend Cat Filters for all Cat machine applications.

Health and Safety

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, visit us on the web at www.catmsds.com.

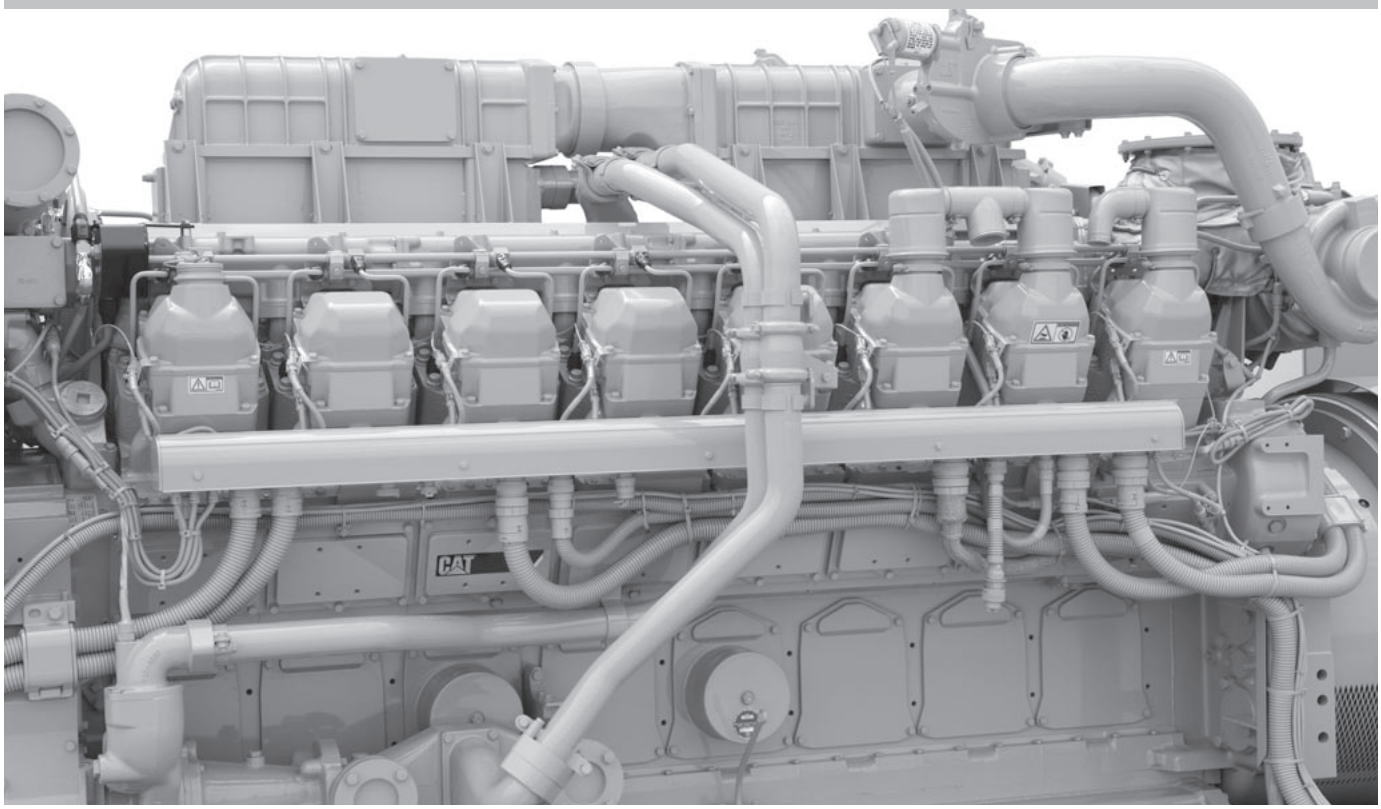
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Cat® DEO™ Monograde

Monograde Diesel Engine Oil for Cat 3600 series diesel engines **SAE 30, SAE 40**



Recommended Use

- Cat DEO Monograde is the only oil approved by Caterpillar for use in 3600 series diesel engines operating on distillate diesel fuels
- Cat DEO Monograde is recommended for older Cat engines equipped with precombustion fuel injection systems that permit the use of American Petroleum Institute CD or CF oil
- Cat DEO Monograde can be used with low-sulfur diesel fuel and protects Cat engines operating on higher sulfur diesel fuels (3600 series engines operating on fuel containing up to 1.30% sulfur, and precombustion engines operating on fuel containing up to 0.065% sulfur fuel)

Discover the Difference

Cat DEO Monograde is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Factory-Fill—Used as standard factory-fill for Cat 3600 series diesel engines.
- Increased Engine Life—Resists oxidation and prevents buildup of deposits on pistons and rings.
- Longer Intervals—Extends oil drain intervals while providing excellent engine protection and performance when used in conjunction with our S•O•S℠ Services oil analysis program.
- Proven Performance—Tested in Cat 3600 series diesel engines worldwide

CATERPILLAR®

Cat® DEO Monograde

Sulfur-level compatibility

Cat DEO Monograde provides excellent performance and protection for the following Cat engines operating at or below these fuel sulfur levels:

- 3600 Series Direct Injection 1.30%
- Precombustion 0.65%

For higher fuel sulfur content, an S•O•S Services oil analysis program is recommended to optimize oil drain intervals.

Typical Characteristics*

SAE Viscosity Grade	30	40**
API Classification	CF***	CF***
CCMC	D3	D3
Manufacturer Tests		
Caterpillar (engine)	1M-PC	1M-PC
Allison (transmission)	C-3	C-3
Gravity, API (ASTM D287)	26.8	26.2
Flash Point, °C (ASTM D92)	234	234
Pour Point, °C (ASTM D97)	-33	-33
Viscosity:		
cSt @ 40°C (ASTM D445)	103	133
cSt @ 100°C (ASTM D445)	11.6	13.8
Viscosity Index (ASTM D2270)	100	100
Sulfated Ash, % wt. (ASTM D874)	1.9	1.9
TBN (ASTM D2896)	13.0	13.0
Zinc, % wt. (ASTM D4951)	0.119	0.119
Phosphorus, % wt. (ASTM D1091)	0.106	0.106

* The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.
** Passes FZG DIN 51354-2 A/8, 3/90 FLS 12
*** Can be used in applications where the obsolete API CD classification oil is recommended.

Tested Beyond Industry Standards

The large-bore, medium-speed Cat 3600 engines require oils that meet a unique standard not defined by any industry classification. Cat DEO Monograde meets that proprietary Caterpillar standard. If other brands of lubricant are used instead of Cat DEO, the manufacturer must demonstrate that the oil meets the same standard.

S•O•S℠ Services for early problem detection

Protect your investment with Cat S•O•S Oil Analysis or Service, the ultimate detection and diagnostic tool for your equipment. S•O•S helps you detect potential problems before they can lead to major failures and costly, unscheduled downtime.

Cat Filters: Complete protection for your equipment

Combine Cat Fluids with Cat Filters for the highest level of contamination control and protection for your equipment. We recommend Cat Filters for all Cat equipment applications.

Health and Safety

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin, or respiratory irritation. Always observe good hygiene guidelines. For more information, refer to the Material Safety Data Sheet at www.catmsds.com

CAT® DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts can help you maximize your equipment investment.



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CATERPILLAR®

Cat® DEO-ULS™

Caterpillar® ECF-3/API CJ-4 Engine Oil

SAE 15W-40 and 10W-30



Optimum Performance and Protection for Engines and Emissions Reduction Systems

Cat® DEO-ULS™ is the highest quality diesel engine oil for Caterpillar® on- and off-highway engines equipped with aftertreatment systems (On-Highway 2007/2010 and Off-Highway Tier 4, Stage IIIB/IV, Step 4), as well as, diesel engines without aftertreatment and automotive gasoline engines. Cat DEO-ULS exceeds the performance requirements of Caterpillar ECF-3 (Engine Crankcase Fluid Specification) and the API CJ-4 and API SM categories.

Cat DEO-ULS is formulated with precise amounts of sulfated ash, phosphorous, and sulfur to maintain the life of aftertreatment system components while providing superior engine protection. In extensive testing, Cat DEO-ULS had an oil consumption rate more than three times better than ECF-3 standards. Cat DEO-ULS was also demonstrated to deliver excellent valve train protection and to minimize the formation of piston deposits.



Benefits

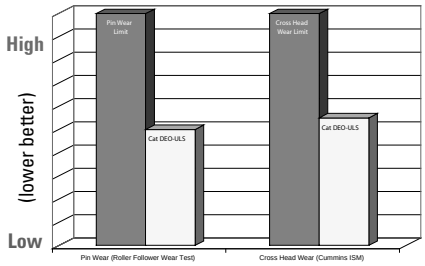
- Reduced Engine Wear – Improved detergents keep engine components cleaner and better soot dispersion improves viscosity which controls engine wear
- Minimized Deposits – Reduced oxidation breakdown and thermal degradation improves stability which minimizes the formation of deposits
- Longer Protection – Specially designed additives deliver superior engine protection while supporting consistent emissions performance and extending the life of aftertreatment system components

CATERPILLAR®

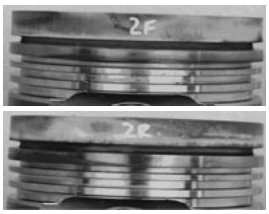
Cat® DEO-ULS™

Cat DEO-ULS Extends Component Life

In testing, Cat DEO-ULS was shown to deliver superior component protection. Cat DEO-ULS performed significantly better than the required limits of API wear tests. During 500-hour endurance tests, Cat DEO-ULS created only a minimal amount of piston deposits.



Cat® DEO-ULS™ delivers excellent valve train protection.



Minimal piston deposits after a proprietary 500-hour endurance test of Cat DEO-ULS.

API Diesel Groups
CJ-4, CI-4 PLUS/CI-4, CH-4, CG-4, CF-4/CF

API Gasoline Groups
SM/SL

OEM Performance Level
Caterpillar - ECF-3
Volvo - VDS-4
DDC - PGOS 93K218
Cummins - CES 20081
Mack - EO-O Premium Plus
ACEA - E9-08/E7-04
MAN - M3275
DETZ - DQC 11-05

Typical Characteristics*		
SAE Viscosity Grade	15W-40	10W-30
Flash Point, ˚C (ASTM D92)	236	230
Pour Point, ˚C (ASTM D97)	-30	-27
Viscosity		
cSt @40˚ C (ASTM D445)	114	79
cSt @100˚ C (ASTM D445)	15.0	11.9
Viscosity Index (ASTM D2270)	137	145
Phosphorous, % wt. (ASTM D4951)	0.100	0.100
Sulfated Ash, % wt. (ASTM D874)	0.98	0.97
Sulfar, % wt. (ASTM D2622)	0.3	0.3
TBN (ASTM D2896)	10.4	8.2
Zinc, % wt. (ASTM D4951)	0.109	0.109
Gravity @ 16˚ C		
API (ASTM D287)	30.2	31.6
Specific	0.876	0.863

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Applications

Cat DEO-ULS is the best engine oil for Cat Engines[1] because it supports emissions reduction technologies while providing excellent performance and protection.

Cat DEO-ULS is required[2] for engines equipped with aftertreatment devices[3]:

- 2007/2010 On-Highway exhaust emissions standards (US)
- Tier 4 (US)
- Stage IIIB/IV (EU)
- Step 4 (Japan)

Cat DEO-ULS is recommended for engines without aftertreatment devices[3]. NOTE: When fuel with sulfur levels higher than 1,000 ppm is used, S•O•S℠ Fluid Analysis is necessary to determine the proper drain interval.

Cat DEO-ULS is an excellent choice for mixed fleets because it can be used in heavy-duty diesel engines built by manufacturers that recommend API CJ-4, CI-4 PLUS/CI-4, or CH-4 classification oil, as well as, automotive gasoline engines that recommend API SM classification oil.

[1]Oil recommendations for 3116 and 3126 MUI Marine and MaK diesel engines can be found in the Operation and Maintenance Manual (OMM).

[2]While Cat DEO-ULS is preferred, oils that meet Caterpillar ECF-3 and API CJ-4 are acceptable.

[3]Aftertreatment devices can include Diesel Particulate Filters (DPF), Diesel Oxidation Catalyst (DOC), Selective Catalytic Reduction (SCR), and/or Lean NOx Trap (LNT).

Health and Safety

For information on proper use for health, safety, and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measures. For a copy of the MSDS, contact us or visit the web at www.catmsds.com.

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TODAY'S WORK. TOMORROW'S WORLD.™

Cat® DEO-ULS™ Cold Weather

Cat® ECF-3/API CJ-4 Engine Oil

SAE 0W-40



Best Performance and Protection for Cold Weather Applications

Cat® DEO-ULS™ Cold Weather is a synthetic diesel engine oil designed with an extremely stable formula tailored to provide long-lasting engine protection over a wide temperature range, -40°F (-40°C) to 104°F (40°C). The backwards compatibility of Cat DEO-ULS Cold Weather makes it well suited for mixed fleets of new and old machines. When used in engines equipped with emissions reduction technologies, Cat DEO-ULS Cold Weather delivers the full life and performance of aftertreatment components. Cat DEO-ULS Cold Weather exceeds the performance requirements of Cat ECF-3 (Engine Crankcase Fluid Specification) and the API CJ-4 and API SM categories.



Cat DEO-ULS Cold Weather takes the trouble out of starting your engine when temperatures are very low. The special formulation flows readily at low temperatures, reducing startup wear and improving fuel economy in some applications. The outstanding thermal stability and oxidation resistance of Cat DEO-ULS Cold Weather keeps engine components cleaner, further reducing wear. In testing, Cat DEO-ULS Cold Weather was shown to reduce piston deposits by more than 30% and to have more than 80% better viscosity control than ECF-3 standards. These results demonstrate that Cat DEO-ULS Cold Weather will help lower your owning and operating costs through fewer oil changes and repairs.

Benefits

- Easier Engine Starts – Excellent low temperature performance eliminates hard starts
- Reduced Engine Wear – Improved detergents keep engine components cleaner
- Minimized Deposits – Reduced oxidation breakdown and thermal degradation improves stability which minimizes the formation of deposits, sludge, and varnish
- Full Component Life – Specially designed additives deliver superior engine protection while supporting consistent emissions performance and extending the life of aftertreatment system components
- Extended Drain Intervals – When regular S•O•S℠ Oil Analysis is utilized, long oil life is possible

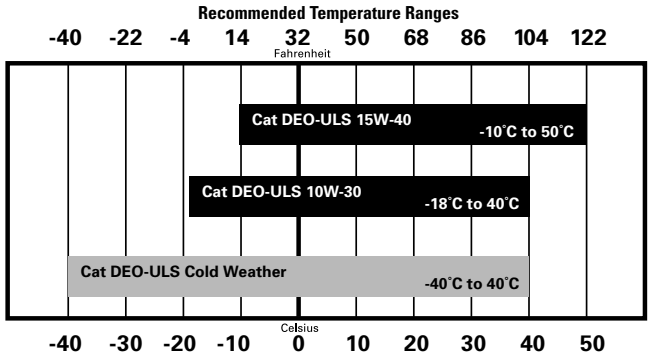
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Cat® DEO-ULS™ Cold Weather

Improved Engine Starting Ability

Hard starts are a problem in cold weather. This is bad for your engine because a significant amount of piston and ring wear occurs when oil is below its proper operating temperature.

The low temperature performance of Cat DEO-ULS Cold Weather makes starting your engine easier when the thermometer dips far below freezing.



Typical Characteristics*	
SAE Viscosity Grade	0W-40
API Service Classification	Diesel: CJ-4, CI-4 PLUS/CI-4, CH-4; Gasoline: SM
OEM Performance	Cat ECF-3, Cummins CES 20081, Mack EO-N PP '03
Viscosity cSt @ 40°C (ASTM D445)	87
Viscosity cSt @ 100°C (ASTM D445)	15.2
Viscosity Index (ASTM D2270)	186
Phosphorous, %wt. (ASTM D4951)	0.111
Sulfated Ash, %wt. (ASTM D874)	0.99
Sulfur, %wt. (ASTM D2622)	0.4
TBN (ASTM D2896)	7.8
Zinc, %wt. (ASTM D4951)	0.121
Gravity @ 16°C API (ASTM D287)	36.2
Specific Gravity @ 16°C	0.844

** The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.*

Applications

Cat DEO-ULS Cold Weather is the preferred diesel engine oil[1] for low temperature applications.

Cat DEO-ULS Cold Weather supports consistent emissions performance in engines equipped with aftertreatment devices[2] designed to meet:

- 2007/2010 On-Highway exhaust emissions standards (US)
- Tier 4 (US)
- Stage IIIB/IV (EU)
- Step 4 (Japan)

Cat DEO-ULS Cold Weather is an excellent choice for mixed fleets because it can be used in heavy-duty diesel engines built by manufacturers that recommend API CJ-4, CI-4 PLUS/CI-4, or CH-4 classification oil, as well as, automotive gasoline engines that recommend API SM classification oil.

1 Oil recommendations for 3116 and 3126 MUI Marine and MaK diesel engines can be found in the Operation and Maintenance Manual (OMM).

2 Aftertreatment devices can include Diesel Particulate Filters (DPF), Diesel Oxidation Catalyst (DOC), Selective Catalytic Reduction (SCR), and/or Lean NOx Trap (LNT).

Health and Safety

For information on proper use for health, safety, and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measures. For a copy of the MSDS, contact us or visit the web at www.catmsds.com.

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Cat® FDAO™

Final Drive Axle Oil for off-highway trucks, large track-type tractors, pipelayers and track skidders. **SAE 60**



Recommended Use

- Preferred lubricant for Cat Off-Highway Truck front wheels, differentials and final drives
- Preferred lubricant for Cat large Track-Type Tractor, Pipelayer, and Track Skidder final drives (steel-tracked machines with elevated final drives except the D5M, D6M and 561M)
- Compatible with Cat final drives and axles that previously specified TO-4 lubricants and do not contain friction material

Discover the Difference

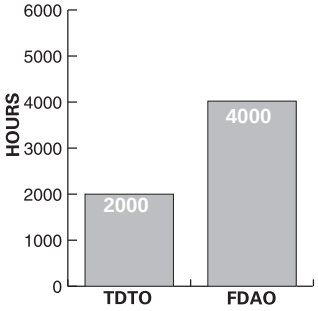
Cat FDAO is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Factory-Fill—Used as standard factory-fill for Cat Off-highway trucks and large track-type tractors.
- Extended Drain Intervals—Allows for double-length drain intervals in off-highway truck final drives, as compared to TO-4 commercial oils.
- Minimal Foaming—Formulated to protect against the damaging effects of air.

CATERPILLAR®

Cat FDAO

Recommended Drain Intervals*
(Cat Final Drives for Off-Highway Trucks)



* Possible with S•O•S℠ Services

Typical Characteristics*

Viscosity Grade	
SAE	60
ISO	320
Caterpillar Test	FD-1
Gravity, 16° C (60° F)	
API (ASTM D287)	25.9
Specific	0.899
Flash Point, °C (°F) (ASTM D92)	255 (491)
Pour Point, °C (°F) (ASTM D97)	–15 (5)
Viscosity	
cSt @ 40° C (ASTM D445)	334
cSt @ 100° C (ASTM D445)	25.2
Viscosity Index (ASTM D2270)	97
Brookfield Viscosity	
cP @ –10° C (ASTM D2983)	75,000
Copper Strip (ASTM D130, 2 hrs @ 100° C)	1A

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S•O•S℠ Services for early problem detection

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Cat Filters: Complete protection for your engine

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Health and Safety

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TODAY'S WORK. TOMORROW'S WORLD.™

Cat® FDAO SYN™

Synthetic Final Drive and Axle Oil for Off-Highway Trucks and Large Track-Type Tractors.

Multigrade



Recommended Use

- Preferred lubricant for Cat Off-Highway Truck and D11R carrydozer front wheels, differentials and final drives operating under high load factors
- Compatible with Cat final drives and axles that previously specified Cat FDAO™ or TO-4 lubricants and do not contain friction material

Discover the Difference

Cat FDAO SYN is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

Extended Drain Intervals—Extends drain intervals up to a factor of three in Off-Highway Truck final drives, as compared to Cat TDTO™ and TO-4 oils.

Minimal Foaming—Formulated to protect against the damaging effects of air.

Longer Bearing and Gear Life—Has demonstrated the capability to double bearing life and quadruple gear life when compared to TDTO and T0-4 oils used in off-highway-truck final drives.

Caterpillar. The difference counts.™

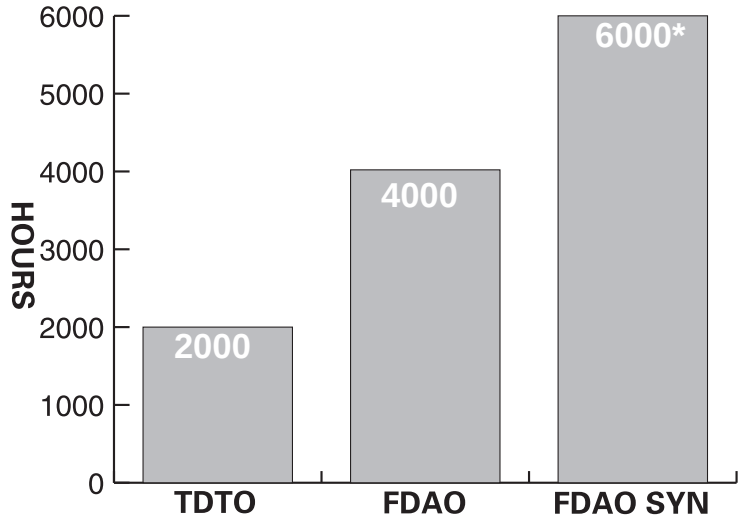
Cat Dealers define world-class product support. We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

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Cat FDAO SYN

Extended Drain Intervals with FDAO SYN (Cat Final Drive for Off-Highway Trucks)*



*Possible with S•O•S℠ Services

Typical Characteristics*

SAE Viscosity Grade	Multigrade
ISO Viscosity Grade	320
Caterpillar Test	FD-1
Gravity, API (ASTM D287)	33.4
Flash Point, °C (°F) (ASTM D92)	246 (474) min.
Pour Point, °C (°F) (ASTM D97)	-36 (-38)
Viscosity	
cP @ -20°C (ASTM D2983)	34,100
cP @ -30°C (ASTM D4684)	131,200
cSt @ 40°C (ASTM D445)	320
cSt @ 100°C (ASTM D445)	31.6
Viscosity Index (ASTM D2270)	138
Copper Strip (ASTM D130, 2 hrs @ 100°C)	1A

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S•O•S Services for early problem detection

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Cat® Fluids - Oils

Only applicable for Europe, Africa, Middle East, and CIS markets[1]



Recommended Use

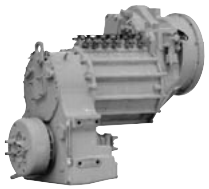
Cat® Oils are genuine Cat parts that have been developed and tested to provide the full performance and service life that has been designed and built into Cat machines and engines. Cat Oils provide superior system protection and are required to pass multiple industry tests as well as various proprietary testing. This provides a consistent source of high performance fluids for Cat dealers and customers that exceed industry fluid standards and are updated along with machine and engine design changes.[2]



1 Some products may not be available in certain countries
2 Please reference the OMM or SEBU 6250 guide for further information

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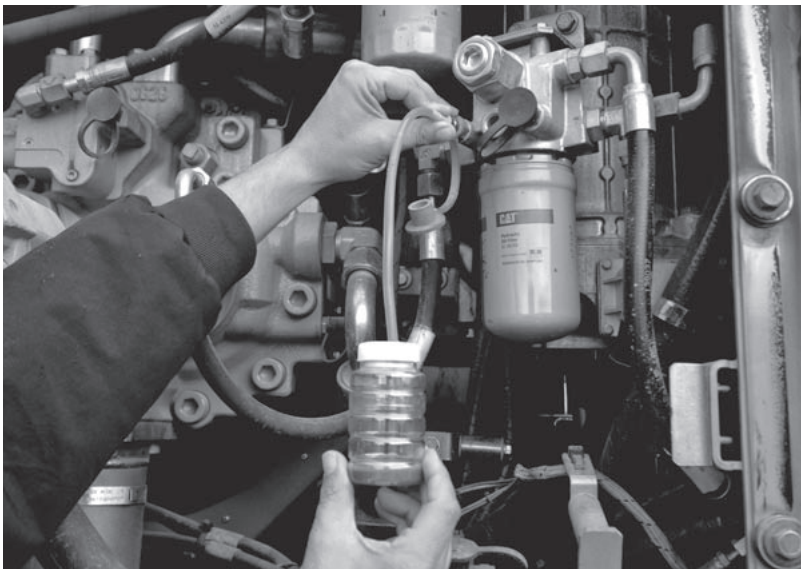
Cat® Fluids - Oils

		Use
DIESEL ENGINE OIL		
Cat DEO SYN 5W-40		Fully-synthetic engine oil specially developed for and tested in Cat engines. Oil change intervals of up to 500 hours are possible with use of S•O•S℠ Services and Cat Oil Filters. Used in ambient temperature ranges of -30°C to 50°C.
Cat DEO 15W-40		Especially developed for and tested in Cat engines. Oil change intervals of up to 500 hours are possible with use of S•O•S℠ Services and Cat Oil Filters. Used in ambient temperature ranges of -9.5°C to 50°C.
Cat DEO 10W-30		Especially developed for and tested in Cat engines. Oil change intervals of up to 500 hours are possible with use of S•O•S℠ Services and Cat Oil Filters. Used in ambient temperature ranges of -18°C to 40°C.
Cat SAEO SAE 30		Developed for use in Cat 3116 and 3126 MUI Marine Engines.
Cat SAEO SAE 40		
Cat DEO 40		Cat DEO Monograde is recommended for older Cat engines equipped with precombustion fuel injection systems that permit the use of American Petroleum Institute CD or CF oil.
Cat DEO-ULS 15W-40		Required for all 2007 on-highway engines equipped with aftertreatment systems using 15 ppm sulfur fuel. May also be used with engines not equipped with aftertreatment systems using 5000 ppm (or less) sulfur fuel without affecting the oil change interval.
NATURAL GAS ENGINE		
NGEO EL 350 SAE 40 Natural Gas Engine Oil		Specifically developed for and tested in Cat Natural Gas Engines. Extended oil drain intervals can be seen with use of Cat S•O•S℠ Services and Cat Oil Filters.
NGEO SAE 40 Natural Gas Engine Oil		Specifically formulated for and tested in Cat Natural Gas Engines.
HYDRAULIC OIL		
Cat HYDO Advanced 10		This oil is a combination of premium additives and high quality base oils that is designed to provide extended drain intervals and extra protection to hydraulic system components. It can also be used for hydrostatic operation and complies with Vickers 35VQ25.
Cat HYDO Advanced 30		
Cat BIO HYDO Advanced (HEES)		An environmentally friendly hydraulic fluid that performs like a standard mineral-based oil for use in eco-sensitive areas
TRANSMISSION OIL		
TDTO SAE 10W		Designed for use in power shift transmission, axles and final drives, and wet brakes.
TDTO SAE 30		
TDTO SAE 50		
Arctic 0W-20		A synthetic blend that provides outstanding protection and performance in transmissions, torque converters, final drives, hydraulics, and wet brakes in cold weather operation of Cat equipment.
TDTO TMS		Designed for use in Cat transmissions, wet brakes, and hydraulic compartments that must operate in wide temperature ranges.
AXLE OIL & FINAL DRIVE OIL		
Cat FDAO 60 Cat FDAO SYN		Designed for use in front drive, differential, axle drives of off-highway trucks, large bulldozers, pipelayers, and where FD-1 oil is specified.
Cat MTO		Recommended for older Cat Backhoe Loader rear axles and Cat Challenger Tractors. Cat MTO can also be used in Cat components, most Cat Hydraulic Systems and systems recommending multipurpose tractor fluid that meet Ford/New Holland M2C134D specification.
GEAR OIL		
Cat GO 80W-90		Multigrade gear oil for differential and axle drive on Cat scrapers, wheel type excavators, and where API GL-5 oil is specified.
Cat GO 85W-140		

Cat® Fluids - Oils

Characteristics	Specifications	Container	Part
A fully synthetic high performance engine oil (PAO base) that can improve fuel economy.	Cat ECF-1-a, API CI-4 PLUS/ SL/ SJ, ACEA E7/ E5/ E4/ E3, JASO DH-1, MB 228.5, Volvo VDS-3/ VDS-2, RVI RDX, Cummins CES 20071/ 72/75/76/77/78, Detroit Diesel DDC Powerguard 93K214/ 7SE 270, Mack EO-N PP '03	5 L 20 L 208 L Bulk L	224-8665 224-8666 224-8667 142-1417
A special formulation of high performance SAE 15W-40 diesel engine oil developed for Cat engines.	Cat ECF-2, API CI-4/CH-4/SL, ACEA E5/B3/A2, Cummins CES 20071/72/76/77, Mack EO-M Plus, MB 228.3, MAN M3275, Volvo VDS-3, RVI RLD	1 L 5 L 20 L 208 L Bulk L	123-4077 3E-9901 3E-9848 3E-9840 8T-9548
A special formulation of high performance SAE 10W-30 diesel engine oil developed for Cat engines.	Cat ECF-2, API CI-4/CH-4/SL, Cummins CES 20071/76, Mack EO-M Plus, Volvo VDS-2	20 L 208 L	3E-9707 3E-9844
A single grade engine oil specially developed for 3116 and 3126 Marine Engines.	API CF-4, CF-2, CF/ SJ	20 L 208 L	9X-6462 9X-6463
		20 L 208 L	9X-6463 7X-7843
The large-bore, medium-speed Cat 3600 engines require oils that meet a unique standard not defined by any industry classification. Cat DEO Monograde meets that proprietary Caterpillar standard.	API CF	208L 1000L BulkL	9X-6463 9X-6272 8C-3703
Contains an advanced additive package that improves protection of the engine and the Diesel Particulate Filter (DPF).	Cat ECF-3, API CJ-4, CI-4 PLUS/CI-4, CH-4, CG-4, CF-4/CF, Volvo VDS-4, Detroit Diesel PGOS 93K218, Cummins CES 20081, Mack EO-O Premium Plus, ACEA E9-08/E7-04, MAN M3275, Deutz DQC II-05.	208L	291-3869
A special blend of the highest quality base stock and additives to meet the demanding environment of natural gas engines.	Not applicable to Natural Gas Engine Oil	20 L 208 L	225-5085 225-5084
Formulated as a low ash, low phosphorous economical engine oil for natural gas engine applications.	Not applicable to Natural Gas Engine Oil	20 L 208 L	105-3337 105-3336
Cat HYDO provides better wear protection, a wider operating temperature range, longer drain interval, lowering owning and operating cost. It also reduces filter plugging and improves contamination control due to better filtration.	SAE 10W, Vickers 35VQ25	5 L 18 L 19 L 20 L 60 L 200 L 205 L 208 L 1,000 L 2,000 L 10,000 L 15,000 L Bulk L	309-6945 309-6944 309-6943 309-6942 309-6941 309-6940 309-6939 309-6938 309-6937 309-6936 309-6935 309-6934 314-5169
	SAE 30, Vickers 35VQ25	18 L 20 L 200 L 208 L Bulk L	319-5920 319-5921 319-5922 319-5923 319-5919
Non-toxic formulation that is readily biodegradable	Cat BF-2	20 L 208 L Bulk L	341-2442 341-2443 341-2444
Apart from TO-4, TDTO has passed five other internal Cat tests and has proven its enormous capabilities in field tests. Combination of friction and anti-wear properties ensures high load carrying capacity and longer clutch, gear, and bearing service life.	Cat TO-4, Vickers 35VQ25, Allison C-4	20 L 208 L	7X-7852 103-2528
	Cat TO-4, Allison C-4	5 L 20 L 208 L Bulk L	9X-6467 7X-7855 9X-6466 2P-9869
	Cat TO-4	20 L 208 L Bulk L	7X-7858 3E-9478 5P-1228
	Cat TO-4, Allison C-4, Komatsu Micro-Clutch, Vickers 35VQ25	20 L 205 L	228-6069 228-6070
	Cat TO-4 and TO-4M, Allison C-4	20 L 208 L	154-0196 154-0197
FDAO will significantly increase bearing life and is capable of doubling oil change intervals when compared to TDTO in certain compartments.	Cat FD-1	20 L 208L	184-8055 184-8056
Cat MTO improves braking and clutching, lowering maintenance costs, cold-weather operation, simplifying maintenance, and giving long-lasting performance.	API GL-4, CNH MAT3525, Ford New Holland FNHA-2-C-201.00, Kubota UDT, Volvo WB 101/BM, Agco Powerfluid 821 XL, Allison C4 (Agriculture Applications Only), Denison HF-0/HF-1/HF-2 (T5D & P46), Ford ESN-M2C 134 D, JI Case MS 1204-07/09, John Deere JMD J20C, Massey Ferguson MF 1135/1141, Vickers 35VQ25	20 L 208 L	120-5286 109-4395
Provides excellent protection against wear and scoring which can be caused by high speeds and high loads on the tooth profile. Does not meet Cat TO-4 – thus not suitable for components which must be filled with TO-4 oil.	API GL-5 API GL-5, MT-1	20 L 208 L	9X-6469 7X-7867
		20 L 208 L	161-1246 7X-7867

Cat® Fluids - Oils



Health and Safety

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, visit us on the web at www.catmsds.com.

S•O•S℠ Services for early problem detection

Protect your investment with Cat S•O•S oil analysis, the ultimate detection and diagnostic tool for your equipment. S•O•S helps you detect potential problems before they can lead to major failures resulting in costly and unscheduled downtime.

Cat Filters: Complete protection for your engine

Combine Cat Fluids with Cat Filters for the highest level of contamination control and protection for your machine. We recommend Cat Filters for all Cat machine applications.

CAT DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat dealer network of highly trained experts can help you maximize your equipment investment.



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CATERPILLAR®
TODAY'S WORK. TOMORROW'S WORLD.™

Cat® GO

Gear oil for Cat manual transmissions, differentials and final drives.

SAE 80W-90, SAE 85W-140



Recommended Use

Cat GO is a multi-grade API GL-5 classification gear oil intended for extreme-pressure applications, such as the following:

- **Differentials and final drives** on Cat Wheel Tractor-Scrapers, specific Articulated Trucks, Wheel Excavators, and Backhoe Loaders
- **Cold Planer** direct drive transmissions, differentials and final drives
- **Drum bearings** on Vibratory Soil Compactor



Discover the Difference

Cat GO is tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Longer Gear and Bearing Life—Superior thermal stability and oxidation resistance reduce deposits and wear.
- Extreme-Pressure Performance—Provides extra protection for improved performance and life in extreme-load conditions.
- Simplified Maintenance—Multi-purpose capability reduces number of gear lubricants needed for maintenance.
- Wide Temperature Range—Provides excellent stability at high temperatures and superior performance at low temperatures for easier start-ups.

CATERPILLAR®

Cat GO

Typical Characteristics*

SAE Viscosity Grade	80W-90	85W-140
Gravity, API (ASTM D287)	26.6	25.1
Flash Point, °C (°F) (ASTM D92)	210 (410)	230 (446)
Pour Point, °C (°F) (ASTM D97)	–27 (–17)	–18 (0)
Viscosity		
cP @ –26° C (ASTM D2983)	110,000	N/A
cSt @ 40° C (ASTM D445)	139	333
cSt @ 100° C (ASTM D445)	14.5	25.4
Viscosity Index (ASTM D2270)	104	99
Phosphorus, % wt. (ASTM D1091)	0.087	0.087

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

S•O•S℠ Services for early problem detection

Protect your investment with Cat S•O•S oil analysis, the ultimate detection and diagnostic tool for your equipment. S•O•S helps you detect potential problems before they can lead to major failures and costly, unscheduled downtime.

Cat Filters: Complete protection for your machine

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Health and Safety

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CATERPILLAR®
TODAY'S WORK. TOMORROW'S WORLD.™

Cat® HYDO™ Advanced 10



6,000 Hour Extended Drain Intervals

Caterpillar is introducing a new hydraulic oil to the fluid product line, Cat® HYDO™ Advanced 10. This new oil is a combination of premium additives and specially selected and controlled higher quality base oils designed to provide extended drain intervals and extra protection to hydraulic system components.



Cat HYDO Advanced 10 represents a significant performance breakthrough in hydraulic oil technology. This oil has been developed with an optimized formulation that has been subjected to severe qualification testing in the field and laboratory for thousands of hours. Result is the best product available for Cat machine hydraulic systems.

CATERPILLAR®

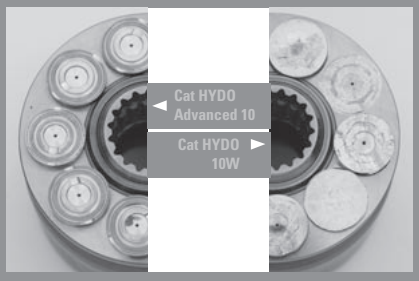
Cat® HYDO Advanced 10



Oil at start Oil after field test

Improved Oil Stability

250% increase in oxidation stability per ASTM D943. Improved oil stability and wear protection make Cat Hydo Advanced last longer.

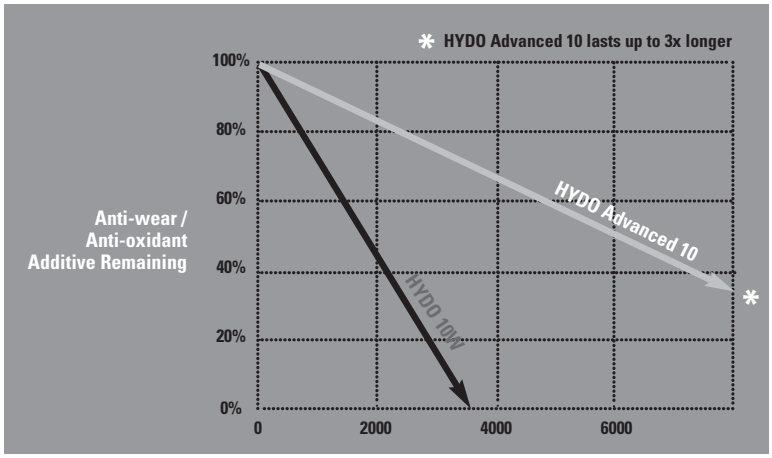


Destructive Pump Test

Cat HYDO Advanced 10 is the best product for Cat machine hydraulic systems. Tested side-by-side under severe wear application conditions, simulated with Cat's proprietary destructive piston pump test, Cat HYDO Advanced 10 clearly out-performed HYDO 10W. Proof of performance? Significantly less visible wear. With Cat HYDO Advanced 10, the piston pump is in excellent condition after 200 hours. The piston pump with HYDO 10 failed after 178 hours.

Features & Benefits

- **6,000 hour extended drain intervals** – up to triple the hours of Cat® HYDO 10W when monitored with Caterpillar® S•O•S℠ Services oil analysis program every 500 hours. Reduces owning and operating costs and increases uptime.
- **Enhances, long lasting anti-wear protection** – specially developed additives form a protective layer on the wear surfaces, reducing component wear in high-pressure piston, vane, and gear hydraulic pumps.
- **Holds water in dispersion** – contains emulsifiers specifically designed to disperse water. Cat does not recommend oils that "separate," "shed," or "release" water. Separated water drawn through the hydraulic system can damage pumps and other components. If this water freezes, it can cause serious damage.
- **Backward compatibility** – the only hydraulic oil you need to stock for your maintenance operations. Preferred fill for Cat equipment.
- **Improved filtration properties** – special detergent dispersants keep components clean and improve transport of contaminants through the filters. Compatible with Cat Ultra High Efficiency filters.
- **Improved corrosion protection** – protects metal surfaces from rust. Better corrosion protection than most oils in the Cat line-up.
- **Faster air release** – rapid air separation reduces air release time, preventing cavitation. Cat HYDO Advanced 10 air release time of less than 4 minutes is far superior compared to Cat HYDO 10W at 7 – 10 minutes air release time (per ASTM D3427 testing).
- **Wide temperature range protection** – maintains consistent wear protection at both cold and hot temperatures. Designed to flow readily at cold temperature start up, and maintains excellent wear protection at operating temperatures.
- **Improved oil stability** – 250% increase in oxidation stability per ASTM D943. Improved oil stability and wear protection make Cat HYDO Advanced last longer.



Longer Lasting Protection

After 2,000 hours of severe field testing in excavators, Cat HYDO Advanced showed clear performance improvements over Cat HYDO 10W, with 80% of HYDO Advanced's anti-wear/anti-oxidant additive remaining compared to 40% for HYDO 10W. At 4,000 hours, HYDO Advanced still showed more than 60% remaining, while HYDO 10W's additive was completely depleted.

Cat® HYDO Advanced 10

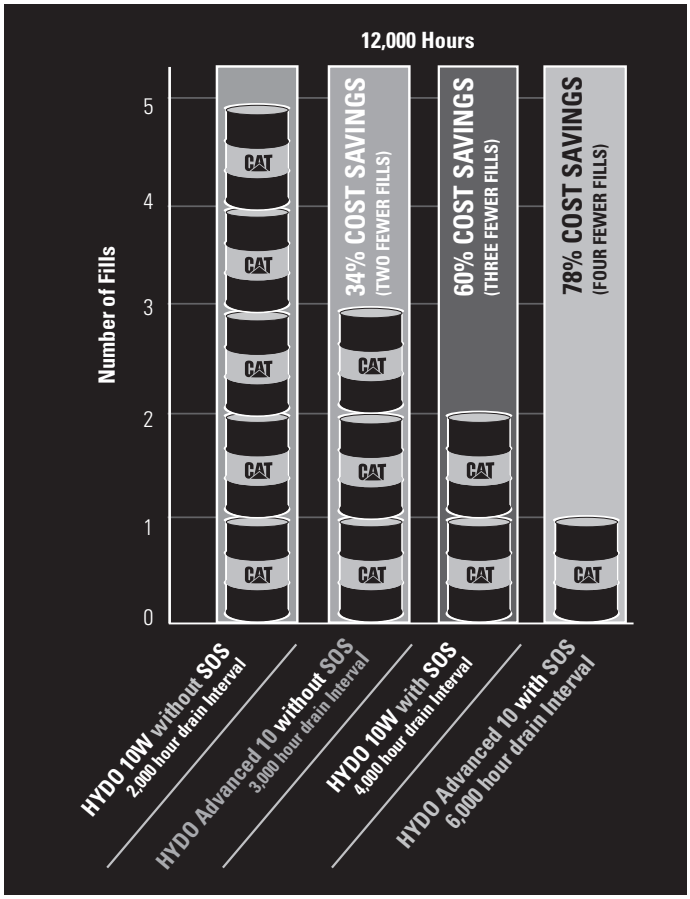
6,000 Hour Extended Drain Intervals

Caterpillar has increased the recommended oil drain interval for hydraulic systems using Cat HYDO Advanced 10 and Caterpillar S•O•S℠ Services oil analysis program.

Hydraulic Oil	Standard	Extended[1]
Cat HYDO 10W	2,000 hours	4,000 hours
Cat HYDO Advanced 10	3,000 hours	6,000 hours

[1] Provided that the oil is:

- Monitored with Caterpillar S•O•S Services oil analysis program every 500 hours.
- Filter change interval is the same.
- Caterpillar hydraulic filters are strongly recommended.



Less Hydraulic Oil Used = Cost Savings

The benefits add up. 6,000-hour extended drain intervals—up to triple the hours of Cat HYDO 10W when monitored with Caterpillar S•O•S℠ Services oil analysis program. Reduces owning and operating costs, oil disposal cost, and increases up-time.

English Volume	
Package Size	**Part Number**
Bulk Gallon – contact dealer	314-5168
Bulk Railcar – contact dealer	309-6929
55 Gallon	309-6930
5 Gallon	309-6931
1 Gallon container, 4 per package	309-6932

Metric Volume	
Package Size	**Part Number**
Bulk Liter – contact dealer	314-5169
15,000 Liter	309-6934
10,000 Liter	309-6935
2,000 Liter	309-6936
1,000 Liter	309-6937
208 Liter	309-6938
205 Liter	309-6939
200 Liter	209-6940
60 Liter	309-6941
20 Liter	309-6942
19 Liter	209-6943
18 Liter	309-6944
5 Liter	309-6945

Cat® HYDO Advanced 10

Cat HYDO Advanced 10 Typical Characteristics[1]

Characteristics	HYDO Advanced 10	Typical Diesel Engine Oil API CF SAE 10W	Typical Premium Industrial Hydraulic Oil, HVLP or HV	HYDO Advanced 10 Advantages
SAE Viscosity Grade	10W	10W	Varies	Better wear protection, wider operating temperature range
Viscosity cSt @ 40°C (ASTM D445) cSt @ 100°C (ASTM D445) Viscosity Index (ASTM D2270)	 42 6.7 114	 40 6.3 105	 46 8.0 146	
Viscosity after Shear[2] (cSt, during use)	6.7	6.3	6.6	
FZG Gear Test DIN 51534, Fail Stage[3]	12	12	11	
35VQ25 Vickers Total Wear Test	33 mg	40-90 mg	<90 mg	
4 Ball (40kg/30min/600rpm/93°C ASTM D4172)	0.37 mm	Varies	Varies	
Pour Point, °C (ASTM D97)	-39	-30	-36	
Pumping @ -30°C mPaS (ASTM D4684)	15,000	Varies	Varies	
Zinc, % wt. (ASTM D4951) typical	0.090	Varies	<0.040	
Copper Strip Corrosion[4] (3 hr, ASTM D130)	1A @ 150°C	1 @ 100°C	1 @ 100°C	Corrosion protection
Rust Protection[5] (ASTM D665B)	Pass	Varies	Varies	
Oxidation stability, hours (ASTM D943)	>5,000	2,000 hours	2,000 hours	Longer drain interval; lower owning and operating costs
Long Drain Interval, confirmed by field testing	Yes	No	No	
Filterability, Wet, E DIN ISO 13357- 1	Pass	Fail	Pass	Filter bypass, filter plugging, contamination control
Air Release @ 50°C (ASTM D3427)	4 minutes	7-10 minutes	7-13 minutes	Better air release reduces cavitation damage
Foam Test[6] Seq. 1 ml. (ASTM D892) Seq. 2 ml. (ASTM D892) Seq. 3 ml. (ASTM D892)	 0/0 5/0 0/0	Varies	Varies	
Cleanliness	No interference with optical particle counters	Interferes with optical particle counters	Varies	Accurate contamination Control
Ability to keep water in emulsion	Yes	Yes	No	Sludge control and water damage prevention

1 The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.
2 Oils that contain viscosity modifier additives will become thinner during use in this machine. This will reduce protection level.
3 Higher is typically better, but too much active antiwear additives may lead to reduced component life.
4 1A is better than 1B, 1A at 150° C is better than 1A at 100° C.
5 May be difficult to pass with 10W engine oils.
6 New oil, as received, with 0.1% water by volume added.

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CATERPILLAR®
TODAY'S WORK. TOMORROW'S WORLD.™

Cat® HYDO™ Advanced 30



6,000 Hour Extended Drain Intervals

Caterpillar is introducing a new Cat® HYDO Advanced 30 hydraulic oil to the fluid product line. Cat HYDO Advanced 30 compliments the recently introduced Cat HYDO Advanced 10. These new oils are a combination of premium additives and specially selected and controlled higher quality base oils designed to provide extended drain intervals and extra protection to hydraulic system components.

Cat HYDO Advanced 30 and 10 represent a significant performance breakthrough in hydraulic oil technology. These oils have been developed with an optimized formulation that has been subjected to severe qualification testing in the field and laboratory for thousands of hours. The result is the best product available for Cat machine hydraulic systems.

Cat HYDO Advanced 30 is an oil specifically formulated for working in consistently hot climates with temperatures ranging above 40°C (104°F).



Ambient Operating Temperature Range

Viscosity	Celsius Temperature Range	Fahrenheit Temperature Range
HYDO Advanced 10	-20°C minimum to 40°C maximum	-4°F minimum to 104°F maximum
HYDO Advanced 30	10°C minimum to 50°C maximum	50°F minimum to 122°F maximum

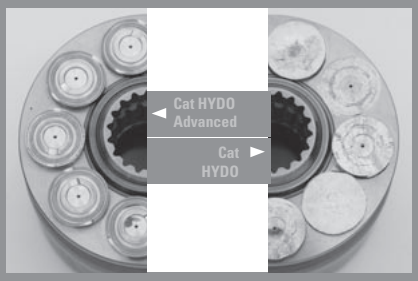
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Cat® HYDO Advanced 30



Improved Oil Stability

250% increase in oxidation stability per ASTM D943. Improved oil stability and wear protection make Cat HYDO Advanced last longer.

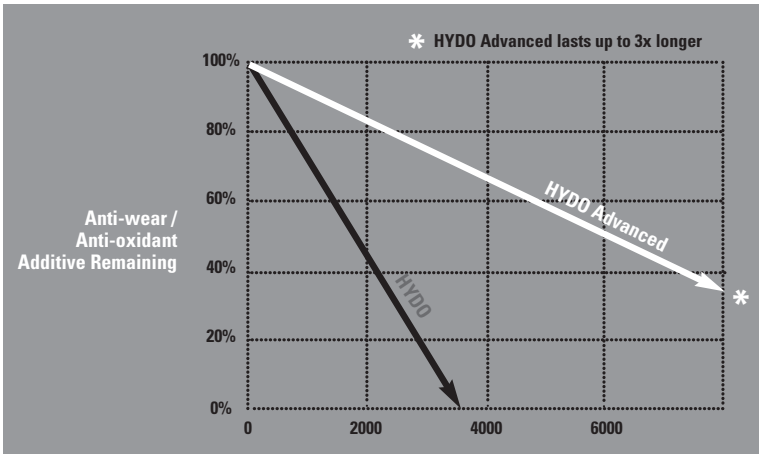


Destructive Pump Test

Cat HYDO Advanced is the best product for Cat machine hydraulic systems. Tested side-by-side under severe wear application conditions, simulated with Cat's proprietary destructive piston pump test, Cat HYDO Advanced clearly out-performed HYDO. Proof of performance? Significantly less visible wear. With Cat HYDO Advanced, the piston pump is in excellent condition after 200 hours. The piston pump with HYDO failed after 178 hours. (Note: test was run with Cat HYDO Advanced 10 and Cat HYDO 10W.)

Features & Benefits

- **6,000 hour extended drain intervals** – up to triple the hours of Cat® HYDO 30 when monitored with Caterpillar® S•O•S℠ Services oil analysis program-every 500 hours. Reduces owning and operating costs and increases uptime.
- **Enhances, long lasting anti-wear protection** – specially developed additives form a protective layer on the wear surfaces, reducing component wear in high-pressure piston, vane, and gear hydraulic pumps.
- **Holds water in dispersion** – contains emulsifiers specifically designed to disperse water. Cat does not recommend oils that "separate," "shed," or "release" water. Separated water drawn through the hydraulic system can damage pumps and other components. If this water freezes, it can cause serious damage.
- **Backward compatibility** – the only hydraulic oil you need to stock for your maintenance operations. Preferred fill for Cat equipment.
- **Improved filtration properties** – special detergent dispersants keep components clean and improve transport of contaminants through the filters. Compatible with Cat Ultra High Efficiency filters.
- **Improved corrosion protection** – protects metal surfaces from rust. Better corrosion protection than most oils in the Cat line-up.
- **Wide temperature range protection** – maintains consistent wear protection at both cold and hot temperatures. Designed to flow readily at cold temperature start up, and maintains excellent wear protection at operating temperatures.
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Longer Lasting Protection

After 2,000 hours of severe field testing in excavators, Cat HYDO Advanced showed clear performance improvements over Cat HYDO, with 80% of HYDO Advanced's anti-wear/anti-oxidant additive remaining compared to 40% for HYDO. At 4,000 hours, HYDO Advanced still showed more than 60% remaining, while HYDO 's additive was completely depleted.

Cat® HYDO Advanced 30

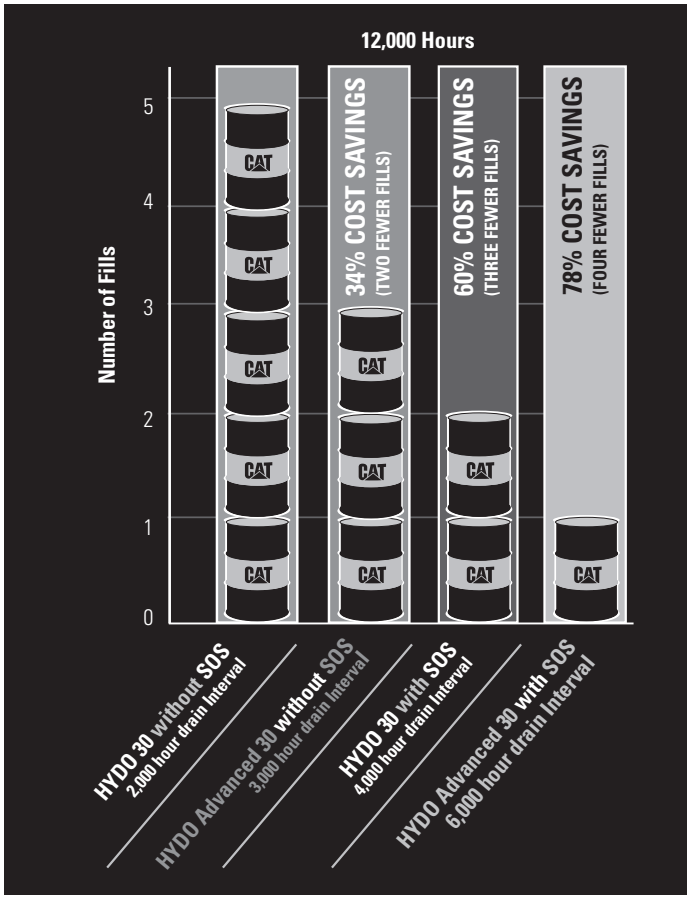
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Caterpillar has increased the recommended oil drain interval for hydraulic systems using Cat HYDO Advanced 30 and Caterpillar S•O•S℠ Services oil analysis program.

Hydraulic Oil	Standard	Extended[1]
Cat HYDO 30	2,000 hours	4,000 hours
Cat HYDO Advanced 30	3,000 hours	6,000 hours

[1] Provided that the oil is:

- Monitored with Caterpillar S•O•S Services oil analysis program every 500 hours.
- Filter change interval is the same.
- Caterpillar hydraulic filters are strongly recommended.



Less Hydraulic Oil Used = Cost Savings

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Metric Volume	
Package Size	**Part Number**
Bulk Liter – contact dealer	319-5919
208 Liter	319-5923
200 Liter	319-5922
20 Liter	319-5921
18 Liter	319-5920

Cat® HYDO Advanced 30

Cat HYDO Advanced 30 Typical Characteristics[1]

Characteristics	HYDO Advanced 30	HYDO Advanced 30 Advantages
SAE Viscosity Grade	30	Better wear protection, wider operating temperature range
Viscosity cSt @ 40°C (ASTM D445) cSt @ 100°C (ASTM D445) Viscosity Index (ASTM D2270)	 90 10.6 100	
Viscosity after Shear[2] (cSt, during use)	10.6	
4 Ball (40kg/30min/600rpm/93°C ASTM D4172)	0.30 mm	
Pour Point, °C (ASTM D97)	-24	
Brookfield Viscosity @ -20°C (ASTM D2983) mPaS	13,600	
Zinc, % wt. (ASTM D4951) typical	0.090	
Copper Strip Corrosion[3] (3 hr, ASTM D130)	1A @ 150°C	Corrosion protection
Rust Protection (ASTM D665B)	Pass	
Oxidation stability, hours (ASTM D943)	>5,000	Longer drain interval; lower owning and operating costs
Long Drain Interval, confirmed by field testing	Yes	
Filterability, Wet, E DIN ISO 13357-1	Pass	Reduced filter plugging; improves contamination control due to better filtration
Foam Test[4] Seq. 1 ml. (ASTM D892) Seq. 2 ml. (ASTM D892) Seq. 3 ml. (ASTM D892)	 0/0 0/0 0/0	Reduces foaming
Cleanliness	No interference with optical particle counters	Accurate contamination control
Ability to keep water in emulsion	Yes	Sludge control and water damage prevention

1 The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.
2 Oils that contain viscosity modifier additives will become thinner during use in this machine. This will reduce protection level.
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CATERPILLAR®
TODAY'S WORK. TOMORROW'S WORLD.™

Cat® MTO

Tractor oil for multi-application use in older Cat® Backhoe Loader rear axles and Cat Challenger™ Tractors



Recommended Use

Recommended for older Cat® Backhoe Loader rear axles and Cat Challenger™ Tractors, Cat MTO can also be used in the following applications:

- Cat components and systems recommending multipurpose tractor fluid that meet Ford/New Holland M2C134D specification
- Most Cat Hydraulic Systems
- Other manufacturers' machines and components (See "OEM Compatibility"on page 2)



Discover the Difference

Cat MTO is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Improved Braking and Clutching—Where approved for use, enhances control and extends life in clutches and wet brakes.
- Lower Maintenance Costs—Exceptional anti-wear properties extend equipment and component lives.
- Cold-Weather Operation—Can be used in temperatures as low as -13°F (-25°C).
- Simplified Maintenance—Can be used in multiple compartments, reducing inventory and the chance of using the wrong oil.
- Long-Lasting Performance—Offers high thermal stability and oxidation resistance for long service life in severe applications.

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Cat® MTO

OEM Compatibility

Cat MTO meets the following OEM specifications:

API	GL-4
CNH	MAT3525
Ford New Holland	FNHA-2-C-201.00
Kubota	UDT
Volvo	WB 101/BM

Cat MTO can be substituted in applications that require the following:

Agco Powerfluid	821 XL
Allison	C4 (Agriculture Applications Only)
Denison	HF-0/HF-1/HF-2 (T5D & P46)
Ford	ESN-M2C 134 D
JI Case	MS 1204-07/09
John Deere	JMD J20C
Massey Ferguson	MF 1135/1141
Vickers	35VQ25

Typical Characteristics*

Gravity, API	28.6
Flash Point, °C (°F) (ASTM D92)	214 (417)
Pour Point, °C (°F) (ASTM D97)	-42 (-44)
Viscosity	
Brookfield, cP at –20°C	4300
cSt @ 40°C (ASTM D445)	58
cSt @ 100°C (ASTM D445)	9.3
Viscosity Index (ASTM D2270)	140
Zinc, % wt.	0.15 min.

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

S·O·S℠ Services for early problem detection

Protect your investment with Cat S•O•S℠ oil analysis, the ultimate detection and diagnostic tool for your equipment. S•O•S helps you detect potential problems before they can lead to major failures and costly, unscheduled downtime.

Cat Filters: Complete protection for your machine

Combine Cat Fluids with Cat Filters for the highest level of contamination control and protection for your machine. We recommend Cat Filters for all Cat machine applications.

Health and Safety

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, contact us or visit the web at www.catmsds.com.

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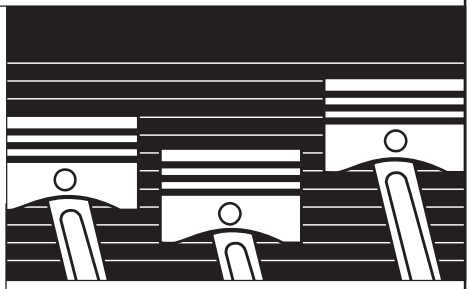
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Cat® NGEO™

For natural gas engines and other engines requiring low ash oil.

SAE 30, SAE 40



Recommended Use
Cat Natural Gas Engine Oil (NGEO) is formulated for Caterpillar natural gas engines and other OEM gaseous fueled engines to provide maximum engine life and performance.

Fuel Compatibilty
For maximum engine service life and oil life, use Cat NGEO with low sulfur gaseous fuels that contain less than 0.43 mg hydrogen sulfide per MJ (megajoule) (0.45 µg hydrogen sulfide per BTU).

Engines using high sulfur natural gas or bio-gas (from landfills and sewage digesters) may also benefit from Cat NGEO, but a shorter oil change interval may be required.

Cat NGEO is formulated from select base stocks blended with special additives to provide:

- Excellent anti-oxidation/nitration properties.
- Thermal stability.
- Reduced carbon and sludge formulation.
- Low level of sulfated ash.

Cat NGEO is also compatible with exhaust catalyst applications that require a low phosphorus oil. With a typical phosphorus level of 300 ppm, Cat NGEO meets the requirements of most catalyst suppliers.

Cat NGEO protects vital engine components and helps your engine perform better.

It is blended from the highest quality selected base stocks and additives to provide excellent oxidation, nitration and thermal stability; reduced level of carbon and sludge formation; improved piston cleanliness; and long oil and filter life. It uses advanced additive technology to enable the use of a low sulfated ash level that exhibits high ash performance characteristics.

Performance
Cat NGEO protects vital engine components and helps your engine perform better.

It provides maximum protection against:

- Valve guide face and seat damage.
- Piston scuffing, scoring and piston/cylinder liner wear.
- Foam and corrosion damage.
- Piston carbon deposits.

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The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investments.

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Cat NGEO

Typical Characteristics*

SAE Viscosity Grade	30	40
Gravity @ API (ASTM D286)	28.9	28
Flash Point, °C (ASTM D92)	238	252
Pour Point, °C (ASTM D97)	-15	-15
Viscosity:		
cSt @ 40°C (ASTM D445)	94.2	126.2
cSt @ 100°C (ASTM D445)	10.8	13.2
Viscosity Index (ASTM D567)	98	98
Sulfated Ash, % wt. (ASTM D874)	0.52	0.52
TBN, mg KoH/g (ASTM D2896)	5.6	5.6
Phosphorus, % wt. (Spectro or AA)	0.030	0.030
Calcium, % wt. (Spectro or AA)	0.12	0.12

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Standard Oil Change Recommendations

Engine Series	NGEO Hours
G3300	750
G3400	750
G3500	1000
G3600	5000

Cat Oil Filters for the Best Protection

Oil change intervals for spark-ignited gaseous fueled engines are several times longer than with diesel engines. The increased demand on the oil filter makes it very important to use the best quality filters in conjunction with the best natural gas engine oil. Cat filters are the best available, featuring spiral roving, acrylic beading, a non-metallic center tube and molded polyurethane end caps.

S·O·S℠ Services for Early Detection

We recommend protecting your investment by using S·O·S Services. Our S·O·S Services program is the ultimate detection and diagnostic tool for your equipment, helping you to detect potential problems before they can lead to major failures and costly unscheduled downtime.

Health and Safety

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Information sources

We can help you determine the right oil for your Cat engines, or you can refer to your Operations & Maintenance Manual or service publication SEBU6400 (Caterpillar Natural Gas Engine Lubricant Recommendations).

Important Terms

Nitration

The formation of nitrogen acids in oil, resulting in increased viscosity, corrosive wear, and sludge and varnish on pistons and cylinder walls.

Sulfated Ash Level

The amount of non-combustible material (ash) left when a certain quantity of oil is burned using a standard industry test method. These compounds contribute to TBN or oil alkalinity.

Oxidation

The combination of oil and oxygen that degrades oil, resulting in increased viscosity, as well as varnish and sludge deposits.

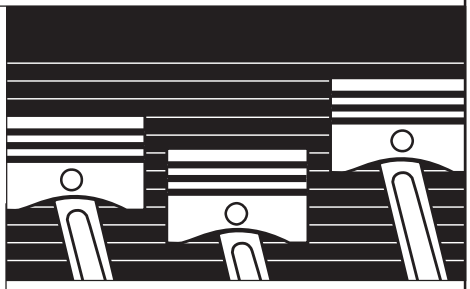
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Cat® NGEO EL250™

For natural gas engines and other engines requiring low ash oil.

SAE 30, SAE 40



Recommended Use

Cat Natural Gas Engine Oil EL250 is designed by Caterpillar engineers to specifications that provide superior lubrication performance in engines using all types of gaseous fuels. This oil is designed to optimize the life of each engine component. It has been tested and proven superior in demanding applications throughout the world.

Fuel Compatibilty

For maximum engine service life and oil life, use Cat NGEO EL250 with low sulfur gaseous fuels that contain less than 0.43 mg hydrogen sulfide per mega Joule (0.45 µg hydrogen sulfide per BTU).

Engines using high sulfur natural gas or bio-gas (from landfills and sewage digesters) may also benefit from Cat NGEO EL250, but a shorter oil change interval may be required.

Cat Natural Gas Engine Oil is fomulated from select base stocks blended with special additives to provide:

- Excellent anti-oxidation/nitration properties.
- Thermal stability.
- Reduced carbon and sludge formulation.

Cat NGEO EL250 is also compatible with exhaust catalyst applications that require a low phosphorus oil. With a typical phosphorus level of 300 PPM, Cat NGEO EL250 meets the requirements of most catalyst suppliers.

Performance

Cat NGEO EL250 protects vital engine components and helps your engine perform better.

It provides maximum protection against:

- Valve guide face and seat damage.
- Piston scuffing, scoring and piston/cylinder liner wear.
- Foam and corrosion damage.
- Piston carbon deposits.

Application

Cat Natural Gas Engine Oil (NGEO EL250) provides a unique blend of additives to assure optimum engine component life in Caterpillar gaseous fueled engines. It features new detergent/dispersant chemistry and a superior base oil formula-tion to maximize oil performance.

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Cat NGEO EL250

Typical Characteristics*

SAE Viscosity Grade	30	40
Gravity @ API (ASTM D286)	28.4	27.5
Flash Point, °C (ASTM D92)	265	265
Pour Point, °C (ASTM D97)	-15	-15
Viscosity:		
cSt @ 40°C (ASTM D445)	95	130
cSt @ 100°C (ASTM D445)	11.0	13.5
Viscosity Index (ASTM D567)	99	99
Sulfated Ash, % wt. (ASTM D874)	0.57	0.57
TBN, mg KoH/g (ASTM D2896)	6.5	6.5
Phosphorus, % wt. (Spectro or AA)	0.030	0.030
Calcium, % wt. (Spectro or AA)	0.138	0.138

*These are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Information sources

We can help you determine the right oil for your Cat engines, or you can refer to your Operations & Maintenance Manual or service publication SEBU6400 (Natural Gas Engines).

Cat Oil Filters for the Best Protection

Oil change intervals for spark-ignited gaseous fuel engines are several times longer than with diesel engines. The increased demand on the oil filter makes it very important to use the best quality filters in conjunction with the best Natural Gas Engine Oil. Cat filters are the best available, featuring spiral roving, acrylic beading, a non-metallic center tube and molded polyurethane end caps.

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Health and Safety

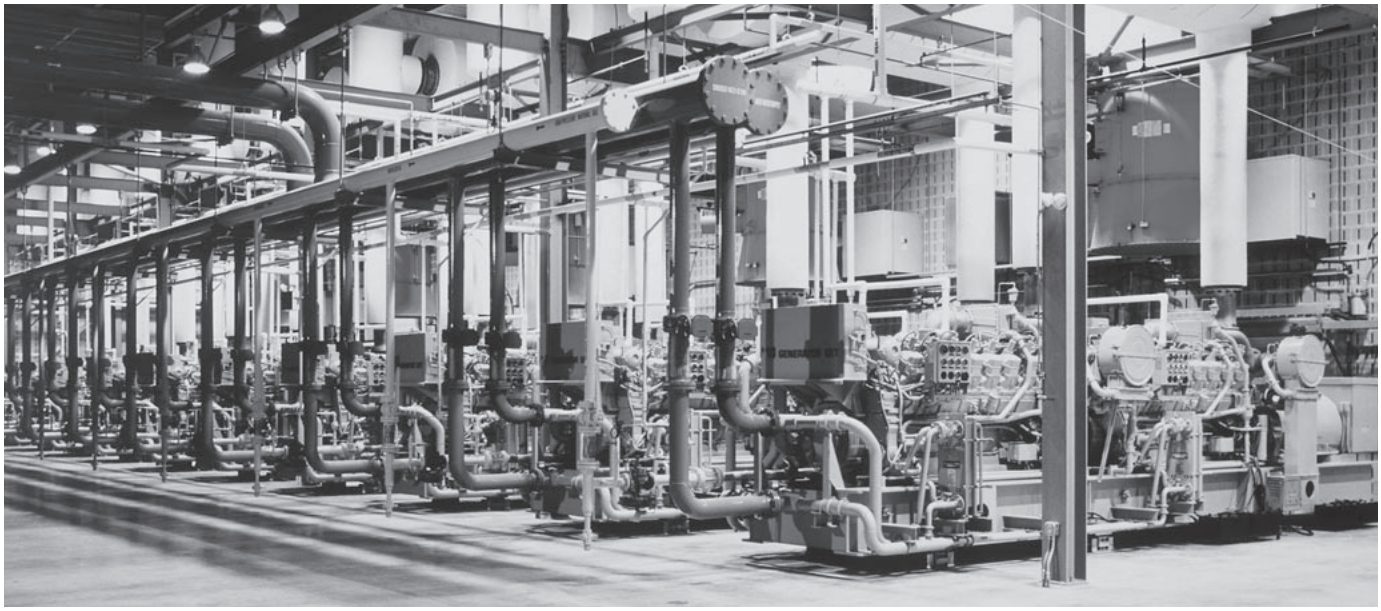
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Cat® NGEO EL350™

Engine oil for natural gas applications and other engines requiring low-ash oil. **SAE 40**



Recommended Use

- Provides superior lubrication in high-horsepower gaseous-fueled engines
- Compatible with exhaust catalyst applications that require a low-phosphorus oil
- Compatible with "lean burn" engines requiring low-ash oil
- Provides optimum engine and oil life with low-sulfur gaseous fuels that contain less than 0.43 mg hydrogen per mega Joule (0.35 mg hydrogen sulfide per BTU)
- May be used in engines that use high-sulfur gas, provided that shorter drain intervals are employed

Discover the Difference

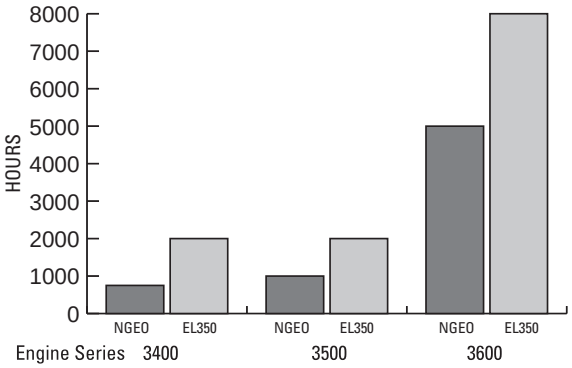
Cat NGEO EL350 is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Factory-Fill—Used as standard factory-fill for Cat natural gas engines.
- Reduced Piston and Cylinder Wear—Anti-oxidation and anti-nitration properties prevent deposit buildup to minimize scuffing, scoring and wear.
- Increased Spark Plug and Valve Life—Excellent detergent and dispersant additives protect against deposits and damage.
- Corrosion Protection—Acid neutralizers protect parts from rust and copper corrosion.
- Extended Drain Intervals—Provides extended oil drain capabilities when using our S•O•S℠ Services.

CATERPILLAR®

Cat NGEO EL350

Recommended Drain Intervals



Typical Characteristics*

SAE Viscosity Grade	40
Gravity @ 16° C	
API (ASTM D287)	29.3
Specific	0.882
Flash Point, °C (ASTM D92)	247
Pour Point, °C (ASTM D97)	–21
Viscosity	
cSt @ 40° C (ASTM D445)	125
cSt @ 100° C (ASTM D445)	13
Viscosity Index (ASTM D2270)	97
Sulfated Ash, % wt. (ASTM D874)	0.54
TBN, mg KoH/g (ASTM D2896)	6.2
Phosphorus, % wt. (Spectro or AA)	0.03
Calcium, % wt. (Spectro or AA)	0.13

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Extended Drain Intervals

When used in recommended engines, Cat NGEO EL350 can extend oil change intervals by 60 to 160% over NGEO. The graph to the left compares intervals for NGEO with those for NGEO EL350 where Cat Filters and S•O•S Services are used.

S•O•S Services for early problem detection

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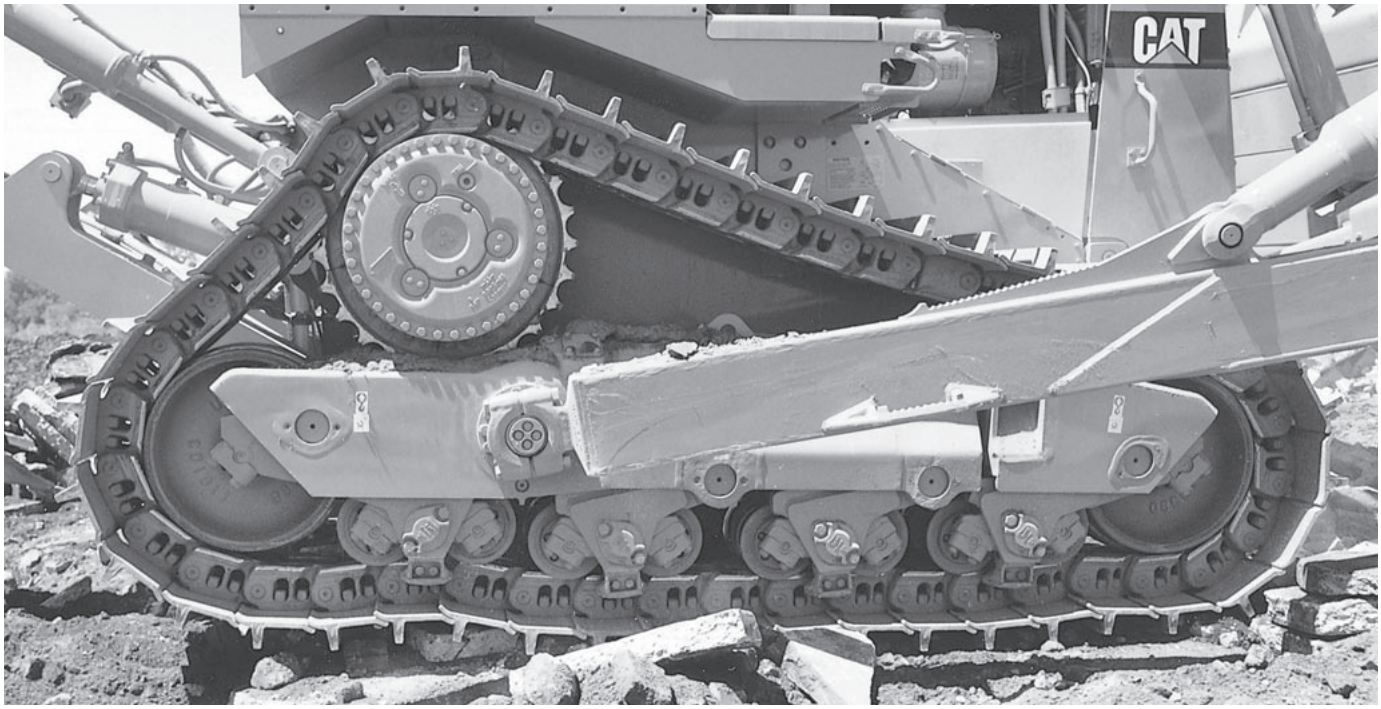
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Cat® Synthetic GO

Synthetic gear oil for specified Cat direct drive transmissions, differentials, final drives and sealed-and-lubricated track joints

SAE 75W-140



Recommended Use

Cat Synthetic GO is a full synthetic multi-viscosity API GL-5 classification multipurpose gear oil for the following applications:

- Sealed-and-lubricated track pins on Cat Track-Type Tractors and Track-Type Loaders
- Track-Type Tractor equalizer bar ends
- Differentials and final drives on Cat Wheel-Tractor Scrapers, Wheel and Mini Excavators and certain Backhoe Loaders
- Specific Articulated Trucks as recommended in your Operation and Maintenance Manual
- Motor Grader circle drives
- Cold Planer direct drive transmissions, differentials and final drives
- Drum bearings on Vibratory Soil Compactors
- Speed reducers on augers and elevators

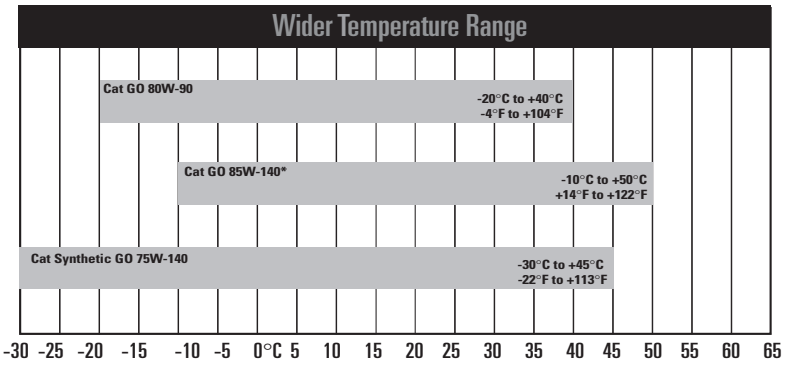
Discover the Difference

Cat Synthetic GO is tested and approved by Caterpillar to meet the same high standards as all Genuine Cat Parts.

- Factory-Fill—Used as standard factory-fill for Cat machines.
- Maximum Gear and Bearing Life—Provides ultimate protection against scoring and pitting of gear teeth and rolling-element bearings.
- Extended Track Life—Improves galling resistance, reduces seal wear and minimizes bushing end grooving in sealed-and-lubricated track joints.
- Wide Temperature Range—Offers superior stability at high temperatures and exceptional performance at low, even arctic, temperatures.
- Reduced Wear—Provides excellent oxidation resistance which reduces buildup of harmful deposits.
- Extreme-Pressure Performance—Offers powerful protection under extreme conditions.

CATERPILLAR®

Cat® Synthetic GO



Typical Characteristics*

SAE Viscosity Grade	75W-140
API Service Classifications	GL-5, MT-1
Gravity, API (ASTM D287)	31.7
Gravity, Specific	.867
Flash Point, °C (°F) (ASTM D92)	220 (428)
Pour Point, °C (°F) (ASTM D97)	-46 (-51)
Channel Point, °C (°F), max (FTMS 791A-3456)	-45 (-49)
Viscosity	
cSt @ 40°C (ASTM D445)	185
cSt @ 100°C (ASTM D445)	25
Viscosity Index (ASTM D2270)	172
Phosphorus, % wt. (ASTM D1091)	0.141

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Health and Safety

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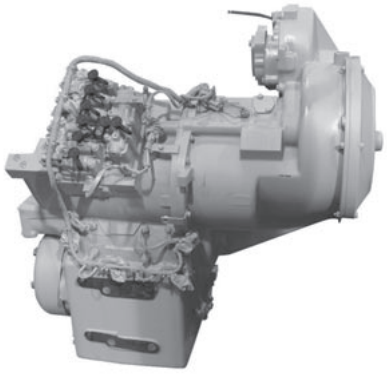
Cat® TDTO™

Transmission and drive train oil for Cat transmissions, final drives and wet brake compartments. **SAE 10W, SAE 30, SAE 50**



Recommended Use

- Preferred lubricant for Cat power shift transmissions, and most final drives and wet brake compartments
- Cat machine compartments where TO-4 and TO-4M specification oils are recommended
- Other manufacturers' machines that recommend TO-4 or TO-4M or specification oils for their transmissions, final drives and wet brake compartments (See "Typical Characteristics" on page 2 for more information)



Discover the Difference

Cat TDTO is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

- Factory-Fill—Used as standard factory-fill for Cat machine compartments where TO-4 oils are specified.
- Longer Clutch Life—Prolongs clutch disc life up to 45%.
- Optimum Wear Life—Ensures long life and excellent performance for gears, bearings and friction disc material.
- System-Matched Formula—Engineered as an integral part of Cat power shift transmissions, most wet brake compartments, and hydrostatic systems

CATERPILLAR®

Cat TDTO

Tested Beyond Industry Standards

The TO-4 specification defines a minimum standard of performance for transmissions and drive train oils, but Cat TDTO is required to pass five additional Caterpillar tests. It is only through these tests and thousands of hours of field experience that Caterpillar is confident in saying Cat TDTO will deliver long life and excellent performance when used in Cat transmissions and final drives.

Typical Characteristics*

SAE Viscosity Grade	10W	30	50
Caterpillar Test	TO-4	TO-4	TO-4
Allison Test	C-4	C-4	C-4
ISO Viscosity Grade	46	100	—
Gravity, API (ASTM D287)	29.7	27.0	24.7
Flash Point, °C (°F) (ASTM D92)	202 (395)	224 (435)	240 (464)
Pour Point, °C (°F) (ASTM D97)	–33 (–27) min.	–18 (0) min.	–15 (5) min.
Viscosity			
cP @ –25° C (ASTM D5293)	6840	—	—
cSt @ 40° C (ASTM D445)	42.0	100	195
cSt @ 100° C (ASTM D445)	6.3	11.2	18.0
Viscosity Index (ASTM D2270)	97	97	96
Calcium, % wt.	.298	.298	.298
Zinc, % wt. (ASTM D4951)	.127	.127	.127
Phosphorus, % wt. (ASTM D4951)	.110	.110	.110
Sulfated Ash, % wt. (ASTM D4951)	1.2	1.2	1.2
TBN (ASTM D2896)	7.9	7.9	7.9

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Cat® TDTO™ Cold Weather



Best Performance and Protection for Cold Weather Applications

Cat® TDTO™ Cold Weather is a synthetic lubricant blend that provides superior performance and protection in transmissions, torque converters, final drives, hydraulics, and/or wet brakes at temperatures down to -40°F (-40°C). The special formulation creates optimal friction performance and controls transmission slippage while eliminating clutch glazing. Cat TDTO Cold Weather has excellent compatibility with all materials used in Cat machines, including friction materials, seals, and elastomers. The outstanding thermal stability and oxidation resistance gives Cat TDTO Cold Weather long drain intervals.



Benefits

Performance

- Easier Engine Starts
- Greater Machine Rim Pull and Breakout Force
- Long Drain Intervals

Protection

- Promotes Transmission Durability
- Increased Clutch, Gears, and Bearing Life
- Optimal Cold Weather Friction Performance

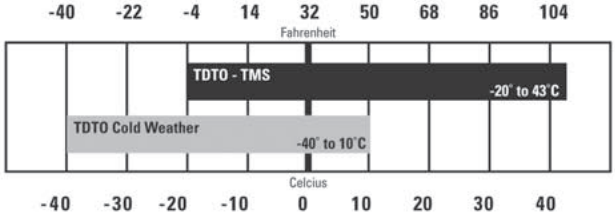
CATERPILLAR®

Cat® TDTO™ Cold Weather

Improved Engine Starting Ability[1]

In very cold weather, transmission oil can create considerable drag on the engine during startup which causes hard starts. The low temperature performance of Cat® TDTO™ Cold Weather makes for easier engine starts even when the thermometer dips far below freezing.

Recommended Temperature Ranges for Transmissions[2]



Typical Characteristics[3]

SEA Viscosity Grade	0W-20
Gravity @ 16˚ C (60˚ F)	
API (ASTM D287)	30.8
Specific	.872
Flash Point @ ˚C (ASTM D92)	170
Pour Point @ ˚ C (ASTM D97)	-54
Kinematic Viscosity (ASTM D445)	
cSt @ 40˚C	32.9
cSt @ 100˚C	7.5
Brookfield Viscosity (ASTM D2983)	
cP @ -40˚C	7000
Total Base Number (TBN) (ASTM D664)	7.9
Low Temperature Pumpablity @ ˚C (ASTM D4684)	-54
Phosphorus, ppm	1060
Zinc, ppm	1250
Calcium, ppm	3000
Sulfated Ash, % wt.	1.2

1 Cat® TDTO™ Cold Weather should not be used in engines. Its use could cause excessive piston deposits and loss of oil control.

2 For detailed information regarding recommended temperature ranges, consult the Operation and Maintenance Manual and SEBU 6250.

3 The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Applications

Cat TDTO Cold Weather is the preferred transmission and drive train oil for low temperature operation in certain applications and can be used in wet brakes and hydraulics. Refer to SEBU6250 for more information.

Cat TDTO Cold Weather is also recommended for applications with the following original equipment manufacturer requirements:

- Caterpillar TO-4
- Allison C-4
- Komatsu Micro-Clutch
- Vickers 35VQ25

Long Drain Intervals

With the use of Cat S•O•S℠ Oil Analysis and Cat Filters, Cat TDTO Cold Weather is capable of long change intervals.

Health and Safety

For information on proper use for health, safety, and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measures. For a copy of the MSDS, contact us or visit the web at www.catmsds.com.

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We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts can help you maximize your equipment investment.



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TODAY'S WORK. TOMORROW'S WORLD.™

Cat® TDTO-TMS™

Multi-season transmission and drive train oil for Cat transmissions, wet brakes, final drives and hydraulic compartments.

Synthetic Blend



Recommended Use

- Cat transmissions, wet brakes and hydraulic compartments that must operate in wide temperature ranges
- Cat machine compartments where TO-4 and TO-4M specification oils are recommended
- Other manufacturers' machines that recommend TO-4 or TO-4M specification oils for their transmissions, final drives and wet brake compartments (See "Typical Characteristics" on page 2 for more information)

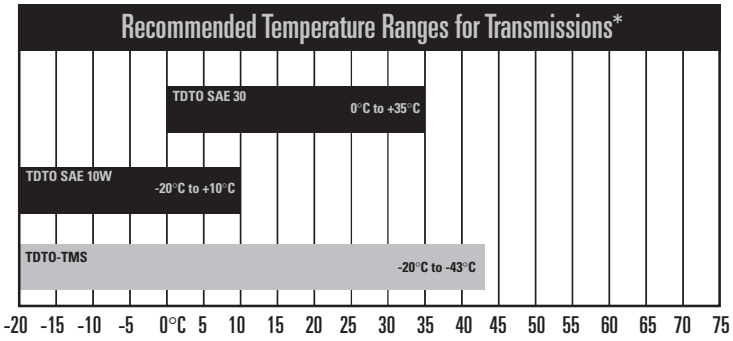
Discover the Difference

Cat TDTO-TMS is a proprietary formulation that was specifically developed, tested and approved by Caterpillar to ensure peak performance in your transmission and to meet the same high standards as all Genuine Cat Parts.

- Longer Component Life—Reduces wear on transmission gears.
- Improved Cold-Weather Performance—Improves performance and efficiency of transmissions in cold weather, especially for machines with electronic controls.
- Optimum Wear Life—Ensures long life and excellent performance for gears, bearings and friction disc material.
- Fewer Oils, Fewer Changes—Can be used in multiple compartments with drain intervals extended over multiple seasons.

CATERPILLAR®

Cat TDTO-TMS



Typical Characteristics*

Viscosity Grade	Multi-Viscosity
Caterpillar Test	TO-4M
Allison Test	C-4
Gravity, API (ASTM D287)	29.2
Flash Point, °C (°F) (ASTM D92)	222 (432)
Pour Point, °C (°F) (ASTM D97)	–39 (–38)
Viscosity	
cSt @ 40° C (ASTM D445)	107
cSt @ 100° C (ASTM D445)	14.2
Viscosity Index (ASTM D2270)	134
KRL Shear Stability	10.0%
Calcium, % wt.	.298
Zinc, % wt. (ASTM D4951)	.127
Phosphorus, % wt. (ASTM D4951)	.110
Sulfated Ash, % wt. (ASTM D4951)	1.2
TBN (ASTM D2896)	8.4

*The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

S•O•S℠ Services for early problem detection

Protect your investment with Cat S•O•S oil analysis, the ultimate detection and diagnostic tool for your equipment. S•O•S helps you detect potential problems before they can lead to major failures and costly, unscheduled downtime.

Cat Filters: Complete protection for your machine

Combine Cat Fluids with Cat Filters for the highest level of contamination control and protection for your machine. We recommend Cat Filters for all Cat machine applications.

Health and Safety

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, contact us or visit the web at www.catmsds.com

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