

# Cat<sup>®</sup> 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<sup>®</sup>**

# 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
<b>Total</b>	<b>32</b>	<b>24</b>

\*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.

For more information, see us today or visit our web site at [www.cat.com](http://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.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

