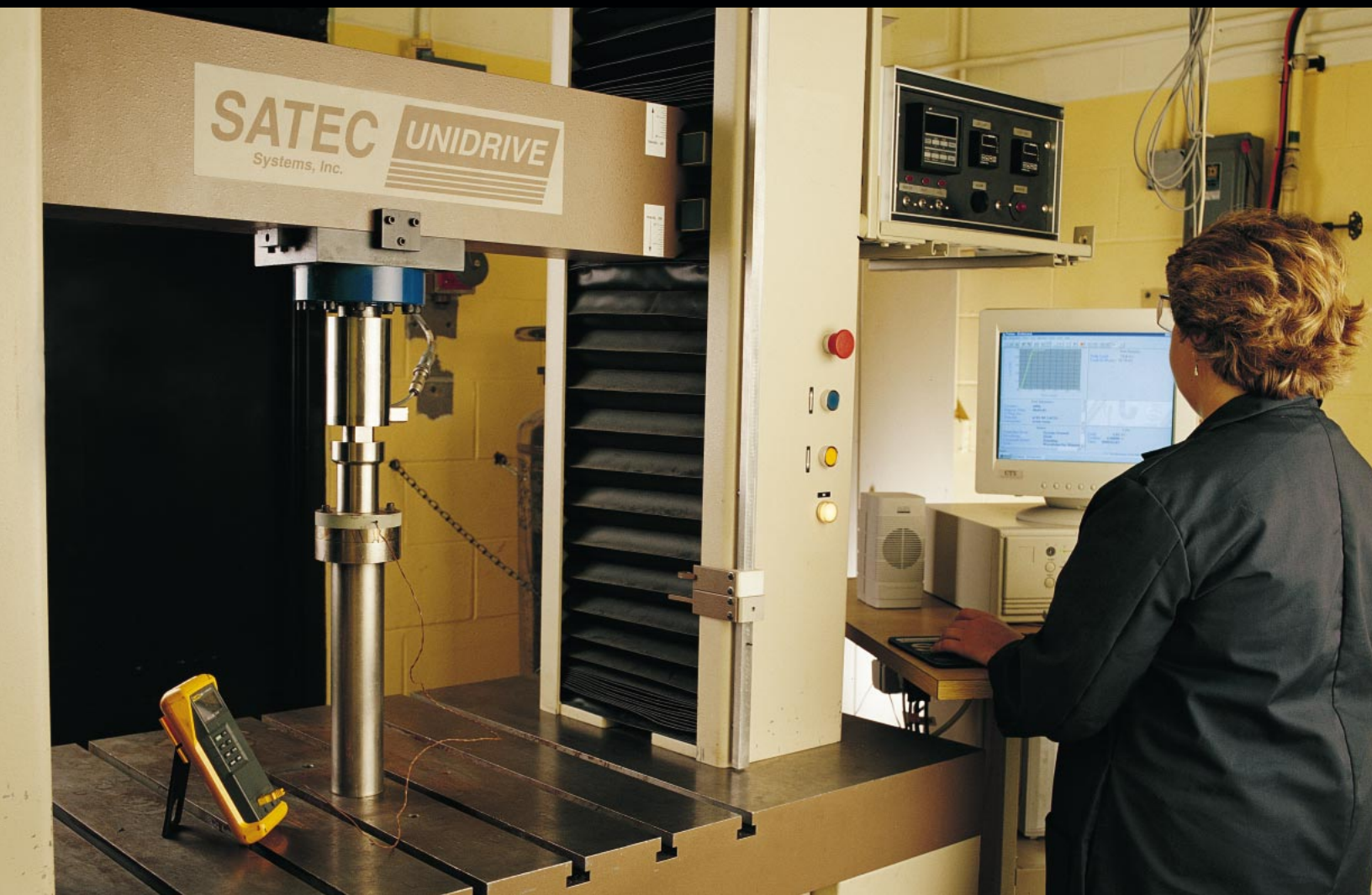
Cat® O-rings—deliver long, leak-free performance



Don't risk expensive components with inexpensive after-market O-rings. Rely on genuine Caterpillar O-rings.

Prevent fluid contamination and deliver long, leak-free performance

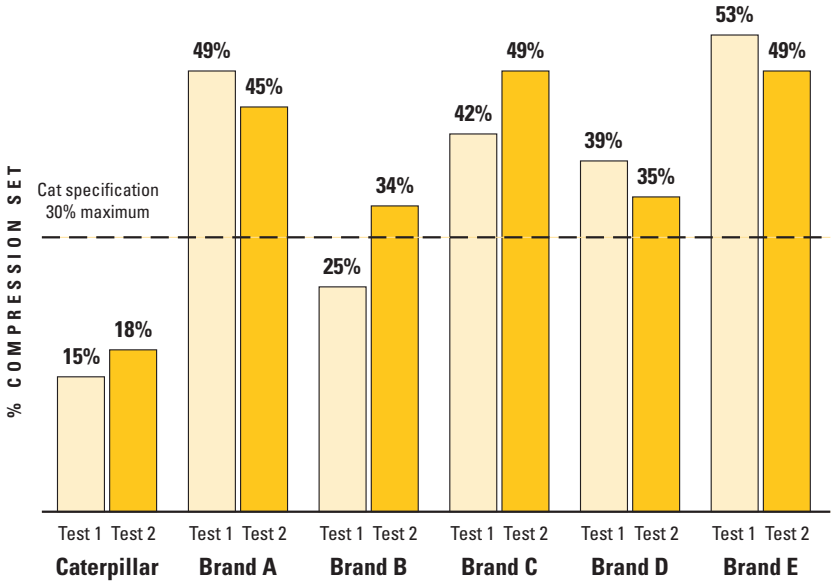
- Meet or exceed SAE standards
- Specifically matched to your Cat system's different fluid types, temperatures, and pressures
- Provide superior resistance to compression set
- Feature special dimensional tolerances and O-ring coatings for improved installation and performance
- Marked with the Cat logo and part number for easy identification and protection against counterfeit seals
- Available in time- and money-saving kits



Cat O-rings

Designed for maximum seal life in demanding applications

- Precise seal dimensions help ensure Cat O-ring seals fit properly into Cat seal grooves without damage to the seal. Unique Cat O-ring sizes are used in special applications where SAE standard sizes won't perform well.
- Cat ORFS O-rings feature tightly controlled outside diameters to help ensure proper installation and performance in ORFS fittings. SAE standards control only the inside diameter.
- Cat O-ring materials provide improved resistance to seal compression set. Seals with poor resistance to compression set become hard and lose sealing force quickly, particularly in high-temperature applications.



Matched to your Caterpillar® system

Cat O-ring materials are **specifically selected** based on the different fluids, and fluid temperatures, in Cat engines and machines. Seal material hardness is matched to the different fluid system pressures to maintain proper sealing force, as well as minimize seal extrusion and seal abrasion. In addition, some Cat O-rings have special coatings, like PTFE, to minimize friction and assure proper seal installation in tight seal grooves.

Packaged to save you time and money

Caterpillar offers several O-ring seal kits—saving you time and up to 15 percent off the cost of ordering O-rings individually. Seven different kits are available for hydraulic fittings and air-conditioning systems.

Check with us for the availability of O-rings for your Cat equipment and other applications. **For more information, please stop in, give us a call, or visit www.CAT.com.**

Ten O-ring tips

1. Keep O-rings packaged until installation.
2. Don't store O-rings near heat.
3. Protect O-rings from UV rays.
4. Remove old O-rings with brass or plastic picks to prevent groove damage.
5. Don't reuse O-rings.
6. Clean the seal groove before installation.
7. Don't soak O-rings.
8. Don't twist or cut O-rings during installation.
9. Don't select O-rings based on material color. There is no universal color standard.
10. Maintain your cooling system. High fluid temperatures are the number-one cause of shortened seal life.

Cat O-ring materials

Material	Hardness
Nitrile Buna Rubber (NBR)	55, 60, 70, 75, 80, 90
Highly Saturated Nitrile Buna Rubber (HNBR)	60, 78
Fluorocarbon Rubber (FKM)	60, 75, 80, 90, 95
Silicone (VMQ)	60, 70
Ethylene Propylene Diene Modified Rubber (EPDM)	50, 70

These are the primary materials used in Cat O-rings. Other materials, in a variety of hardness types, are used in specialty applications.

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