

THERE'S MORE TO RESEALING HYDRAULIC CYLINDERS THAN INSTALLING NEW SEALS

Customer Support

Your company's profitability depends on reliable engines and machines. And reliability is what *Customer Support* is all about. For more insights into any topic, contact your local Cat® dealer.

Caterpillar: Confidential **Green**

Know your options to control costs, improve performance

A lot of equipment owners underestimate the importance of a proper hydraulic cylinder repair. Many assume they have nothing to lose by taking it to a local rebuild shop or performing the repair themselves. The best way to get the most for your hydraulic cylinder repair dollar? Visit your Cat® dealer for your choice of repair alternatives.

Complete Reseal Service

Of all hydraulic cylinder repairs, 70 percent are reseals. A poor reseal can result in reduced hydraulic efficiency—even premature seal failure. Your Cat dealer's complete reseal service, on the other hand, ensures the best performance and longest life from your cylinders. Here's why:

- **Proper disassembly and assembly**—Correct tooling allows for quick repairs without parts damage.
- **Light honing**—Repairs scratches and other minor cylinder bore damage that can accelerate piston seal wear and create leaks inside the system.
- **Contamination control**—Careful cleaning and preventive measures help ensure harmful contaminants are kept out of the hydraulic system, protecting pumps, valves and other hydraulic system components from costly damage.
- **Cat seals and seal kits**—Designed to withstand the high pressure and temperature levels of today's hydraulic systems, Cat seals deliver the best performance for your equipment.
- **Quality assurance**—Serviced cylinders are pressure tested to ensure they meet Cat specifications.

Remanufactured Cylinders and Rods

When a more extensive repair is needed, Cat Reman hydraulic cylinders and rods offer a cost-effective repair alternative. They deliver the same performance and life as new parts for a fraction of the new price. Available off the shelf for most equipment models, Cat Reman products are backed by the same warranty as new parts. Even broken rods and ruptured cylinders can be exchanged for at least partial core credit.

Other Repair Options

Whatever your hydraulic repair needs, your Cat dealer has the knowledge, tools and contamination control standards to ensure repairs are done right.

Cat Advanced Surface Technology

A new alternative to chroming, Cat Advanced Surface Technology (AST) uses a high-velocity thermal spray process to apply a superior coating to cylinder rods. Advantages over traditional chroming include:

- Superior scratch resistance to prevent contamination
- Tripling of rod life, doubling of seal life
- A more environmentally friendly repair option

AST is available on the strut and hoist rods for many off-highway truck applications. Retrofit options may also be available. Ask your Cat dealer for the latest application information.

For more information >> Visit www.cat.com/parts/hydraulics

Committed to Customer Success >> Your Cat dealer can help you maximize productivity and lower your costs. Visit www.cat.com/dealer-locator to find the dealer in your area.