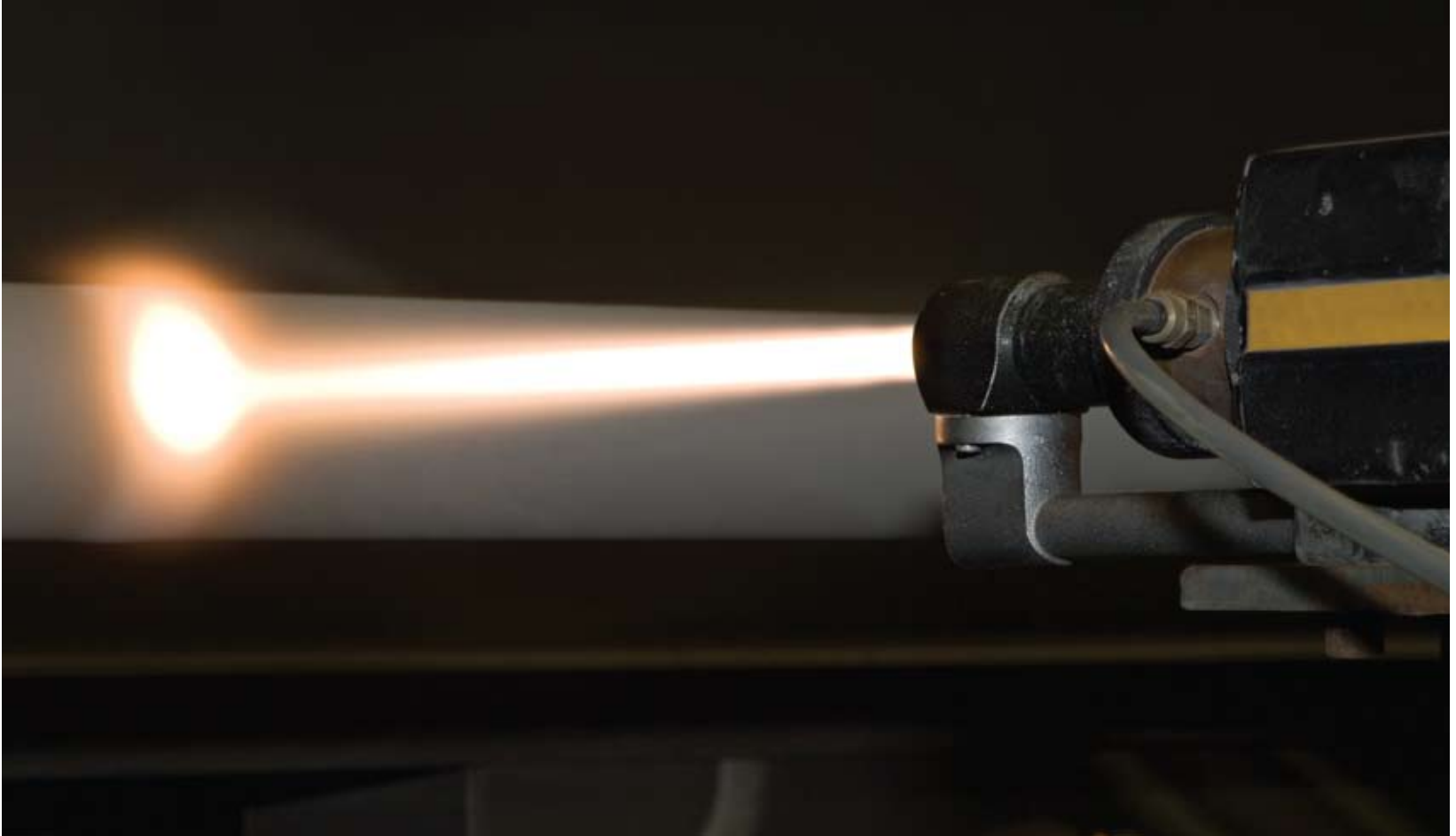


Cat® Advanced Surface Technology

For Off-Highway Truck Suspension and Hoist Cylinders



Reman Rods with Cat AST Available to Support Cat® F-Series Off-Highway Trucks

Introduced on the Cat® F-Series Off-Highway Trucks, Cat Advanced Surface Technology (AST) coated rods offer several advantages over traditional chrome-plated rods.

- Can last up to three times as long in the same application
- Offers better wear resistance
- Is more environmentally friendly

Superior wear characteristics and improved component durability mean longer seal life, reduced downtime, and improved machine availability and productivity.

Because many of these rods are compatible to earlier models, Caterpillar is offering an “upgrade-to-AST” option. Owners of older Cat trucks interested in upgrading to Cat AST Reman Rods will receive core credit for their existing rods.



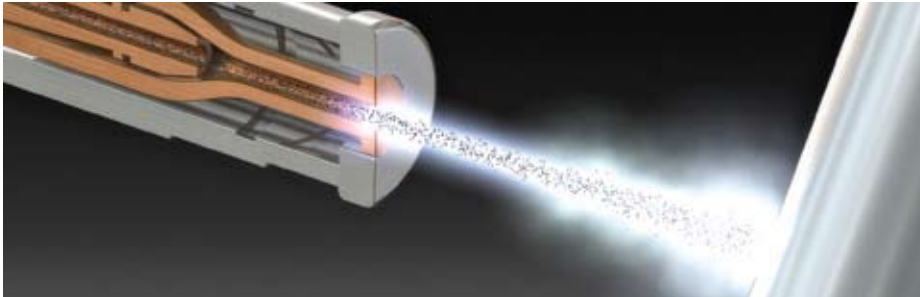
CAT[®]
Reman

Cat® Advanced Surface Technology

Reman AST Availability*

Sales Model	Suspension Cylinder Rods	Hoist Cylinder Rods	Hoist Cylinder Groups
769/771D	Coming Soon	Coming Soon	Coming Soon
770/772	Available Now	Available Now	Available Now
773/775F	Available Now	Available Now	Available Now
777F	Available Now	Available Now	Available Now
LOHT - 785 -797	Coming Soon	Coming Soon	Coming Soon

* Additional Cat® AST options are coming soon. At that time, Reman will be releasing additional part numbers to support the production release. Always refer to SISWEB and NPR for the latest part number information.



How Cat® AST Works

Here's how the Cat Advanced Surface Technology process works:

1. Salvaged components undergo straightening.
2. New and salvaged components undergo grit-blasting to prepare and clean the surface for the thermal spray.
3. Hot combustion gases near 5,000° F (2,760° C) are channeled and combined with a fine metal powder, and accelerated through a nozzle at more than three times the speed of sound. This forms a stronger mechanical bond than chrome plating.
4. The surface is ground to like-new specifications.
5. A final grinding operation gives the surface a super-fine polish.

To learn more about Cat AST applications and ways this technology can improve your productivity while reducing your costs, call or visit your Cat Dealer today.

Superior Wear Characteristics

Because the metal alloy coating created by Cat AST is harder than chrome plating, it provides greater resistance to scratching, and therefore helps prevent contaminants from entering the system. The Cat AST surface is also denser, allowing it to extend component life.

Extended Component Life

The benefits of Cat AST have been demonstrated both in the field and in the lab. Field tests indicate that Cat AST increases hydraulic cylinder rod life by up to three times. Likewise, lab tests using Cat seals show that rods resurfaced using Cat AST extend seal life by 50 percent, as compared with chrome-plated rods.

More Environmentally Friendly

Cat AST byproducts can be recycled or reused.



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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Reman