



CAT® ULTRALIFE CYLINDER ROD COATING

High-Performance Cylinder Rod Protection for Cat Machines

Cat® mining machines set the pace for high-performance operations—and their hydraulic cylinders are the muscles that keep your production moving. Built for extreme conditions and designed for maximum uptime, Cat cylinders deliver the strength, durability, and reliability your mine and quarry depends on.

Highly corrosive or abrasive environments can impact cylinder performance, causing cylinder rod surface life to be as short as several months. Cat® UltraLife Cylinder Rods feature a proprietary coating that is ideal for harsh and corrosive environments. This coating extends your rod surface life and keeps your cylinders running smoothly.

THE DESIGN

The UltraLife Cylinder Rod coating contains a hard, dense, homogenous microstructure.

- No porosity or microcracks
- Proven to withstand both 1,000-hour neutral and acetic salt spray tests versus industry standard 96-hour neutral salt spray testing
- 72% harder than HVOF and 61% harder than Chrome

THE DIFFERENCE

UltraLife Cylinder Rod coatings inhibit corrosion by preventing environmental exposure to the cylinder rod base material. They feature exceptional wear resistance compared to chrome and HVOF, have demonstrated over five times longer life in highly corrosive applications, and are still running.

Withstands
1,000-hr
salt spray tests

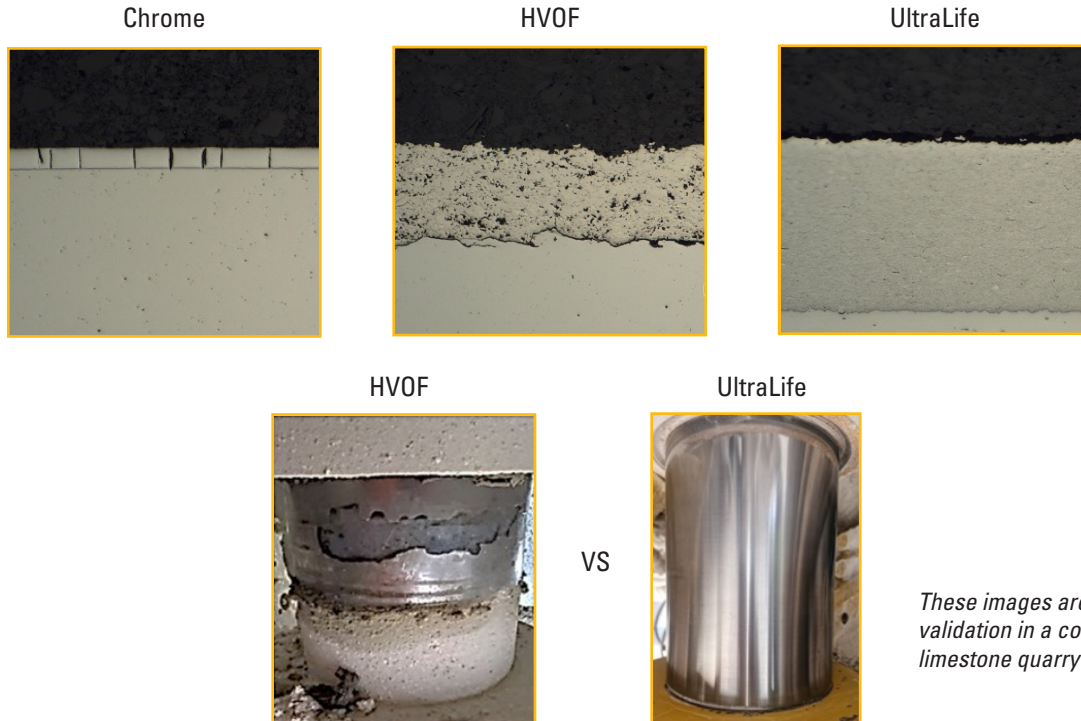
72%
harder than HVOF

High-Performance Cylinder Rod Protection



THE PROOF

When compared to chrome and HVOF, the coating offers superior corrosion resistance, exceptional abrasion protection and increased strength—supporting long-lasting, reliable performance.



THE OFFER

Cat UltraLife Cylinder Rods can be retrofitted to existing truck fleets. Individual rods and complete strut groups are available for the following Cat truck models:

Truck Model	Strut Part Number	Rod Part Number
769/771 Rear - Service Only	664-1901	664-1900
770 Front	658-4378	658-9433
770 Front - Service Only	664-1904	
770/772 Rear	658-4383	658-9440
770/772 Rear - Service Only	664-1898	664-1896
772 Front	658-4381	658-9434
772 Front - Service Only	664-1902	
773/775 Front	664-1884	664-1883
773/775 Front - Service Only	664-1890	
773/775 Rear	664-1882	664-1881
773/775 Rear - Service Only	N/A	664-1895
777 Front	654-5827	639-0815
777 Rear	654-5828	664-1888
777 Rear - Service Only	N/A	664-1892