

ULTRALIFE CYLINDER ROD COATING



HELPS EXTEND CYLINDER LIFE AND REDUCE DOWNTIME BY OUTPERFORMING PREVIOUS COATINGS IN DURABILITY AND CORROSION RESISTANCE

RESISTS CORROSION IN HARSH ENVIRONMENTS

- Proven to withstand both 240-hour neutral and acetic salt spray tests, ensuring long-term protection in corrosive conditions.¹
- Offers up to 6% better corrosion resistance than traditional chrome and HVOF coatings.¹
- A homogeneous and dense microstructure coating forms a moisture and contaminant-resistant barrier.²

DURABLE AGAINST WEAR AND IMPACT

- Delivers up to 5x less wear than Cat® HVOF and 16x less wear than a number of competitor coatings, resulting in fewer replacements and lower maintenance costs.¹
- 61% harder than chrome and 72% harder than HVOF, helping resist abrasion and surface damage.¹
- The harder Ultralife coating provides an improved, more consistent surface finish over time that extends seal life.

ENGINEERED FOR STRENGTH

- Absorbs over twice the impact energy of standard HVOF coatings, helping protect against external impact loading.¹
- Withstands 4x more bending force than typical coatings without cracking—ideal for high-load applications.¹
- Maintains structural integrity under pressure with resistance to cracking or delamination, even in extreme conditions.

¹2024, 3rd Party Testing, India. Neutral (ASTM B117-19) and Acetic (ISO 9227) Salt Spray Test, Comparative Corrosion Benchmark, Wear Test (ASTM G65*), Microhardness Test (ASTM E384), Microstructure Analysis (ASTM E-1920), Scratch/Adhesion Test (ISO 27307:2015), Bend Test (ASTM B571-23*), and Impact Resistance Test (ASTM B571-23*). *Modified to make the results more objective/quantitative.

²2024, Field Validation, Salt Mines, Utah: Highly Corrosive Environment.

