



Savroc - Advanced Coating Solutions

Next-Gen Protection for Hydraulic Components - Powered by TripleHard®

Savroc develops advanced coatings with superior wear resistance, corrosion protection, and sustainability. Our patented TripleHard® coating outperforms Cr⁶⁺, eliminating hazardous chemicals while meeting industry standards.

High hardness | Low friction | Cr³⁺-based | Cr⁶⁺-free | Corrosion resistant

Hydraulic Cylinder Coating - TripleHard®

Hydraulic cylinders face high pressure, wear, and corrosion. TripleHard® offers:

- ✓ **High Hardness** (900-1500 HV)
- ✓ **Corrosion Protection** - Resists moisture and chemicals.
- ✓ **Low Friction** - Enhances efficiency and durability
- ✓ **Eco-Friendly** - Cr⁶⁺ -free, sustainable solution

PROVEN PERFORMANCE

- ✓ **Wear & Friction Testing:** Reduces wear rate, increasing lifespan.
- ✓ **Excellent corrosion resistance:** NSS and CASS tests confirm durability.
- ✓ **Field Use:** Proven in construction, mining, and industry.



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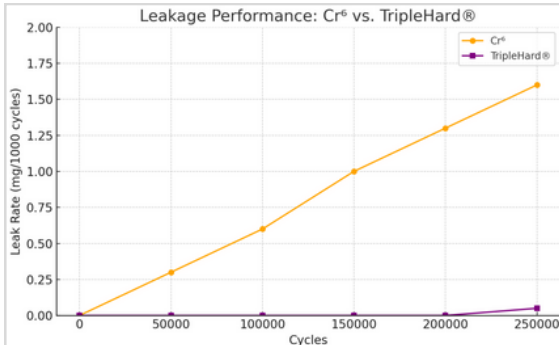
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Schedule a meeting with our experts
or download more materials.

 [Savroc.com](https://www.savroc.com)

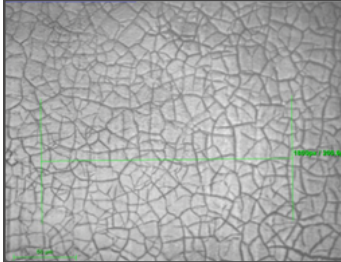
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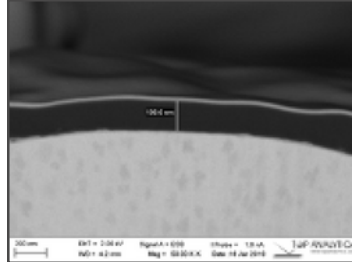
Case Study: Mining Application

TripleHard® reduced CO₂ emissions by 94 % in real operating conditions. TripleHard® coating has been proven to last 34 months, compared with just 2 months for Cr⁶ hard chrome.

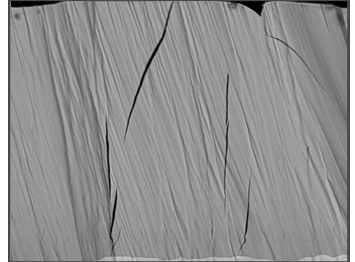
Analytical Evidence



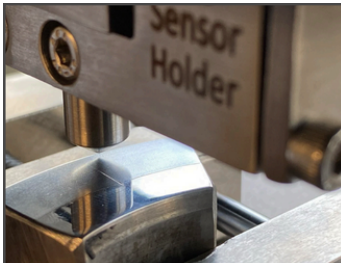
TripleHard® Coating Crack Network



TripleHard® Superior Corrosion Chromium Oxide Layer



Structure of the TripleHard® Coating



Adhesion and Scratch Test Analysis



Corrosion Resistance: Commercial Cr(VI) Coatings vs. TripleHard®



TripleHard® Hydraulic cylinder

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