

# SAVROC

HARD CHROMIUM TECHNOLOGY

## 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 | Cr<sup>3+</sup>-based | Cr<sup>6+</sup>-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.



#### Contact us:

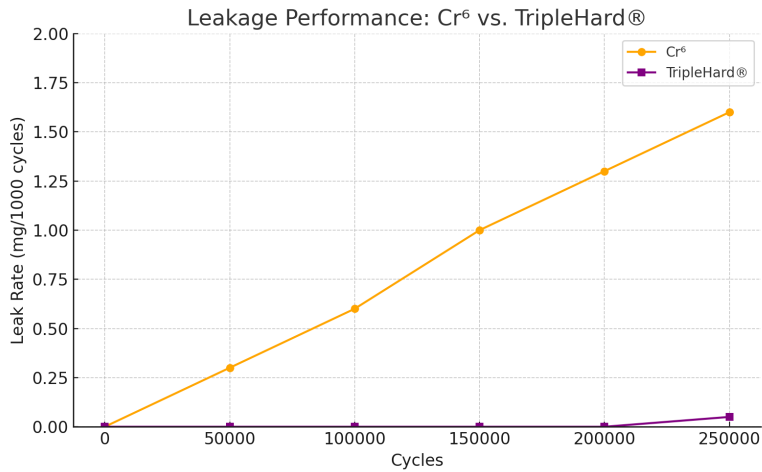
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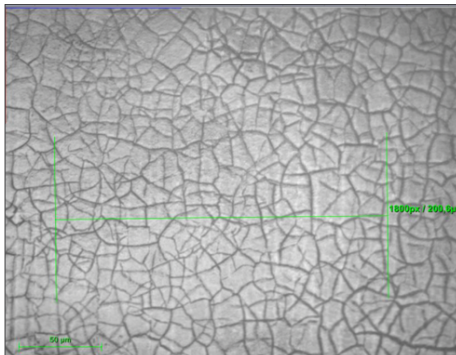
Scan to schedule a meeting or download more materials.

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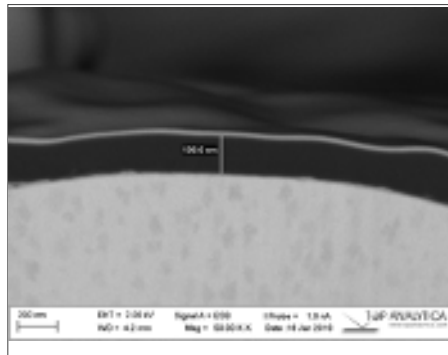


**Case Study: Mining Application**  
 TripleHard® reduced CO<sub>2</sub> emissions by 94% in real operating conditions. Cr<sup>6</sup> 2 months vs TripleHard® 34 months

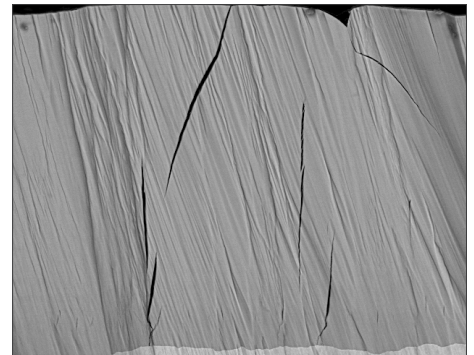
## Analytical Evidence



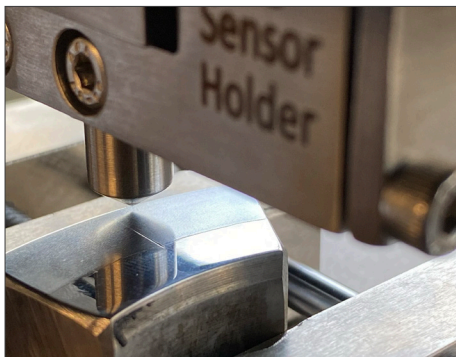
TripleHard® Coating Crack Network



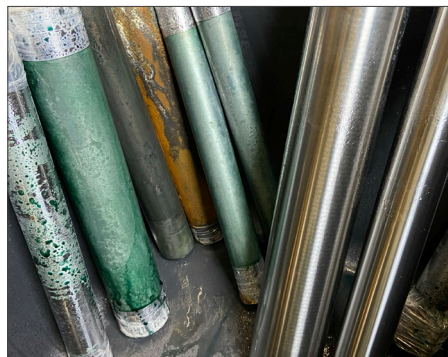
TripleHard® Corrosion® Chromium Oxide Layer



Structure of the TripleHard® Coating



Adhesion and Scratch Test Analysis



Corrosion Resistance: Commercial Cr<sup>6</sup> Coatings vs. TripleHard®



TripleHard® Hydraulic cylinder

**Schedule a meeting with our experts.**  
 Discover real-world applications  
 Learn about our exclusive industry partnerships

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