

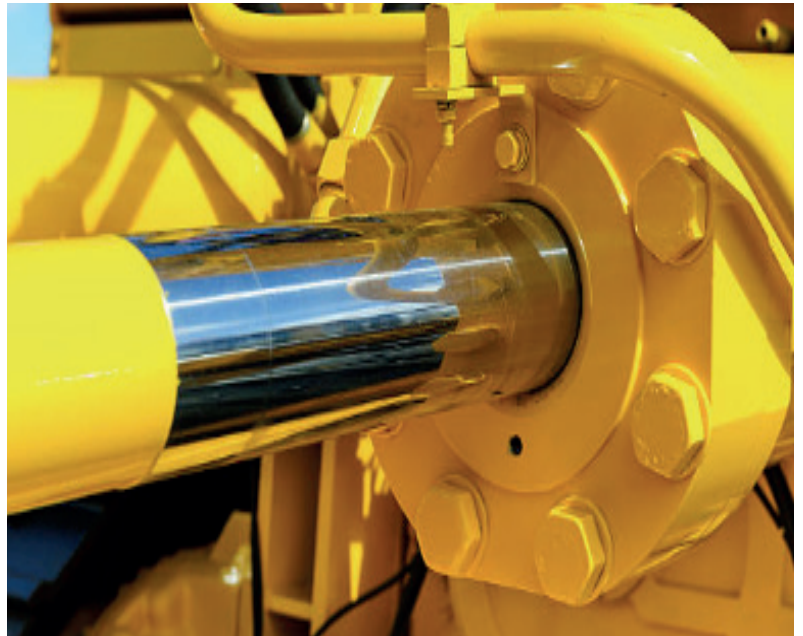
## SURFACE TECHNOLOGY: HYDRAULIC RODS

EXTENDED SERVICE LIFE... NEW AND REPAIR

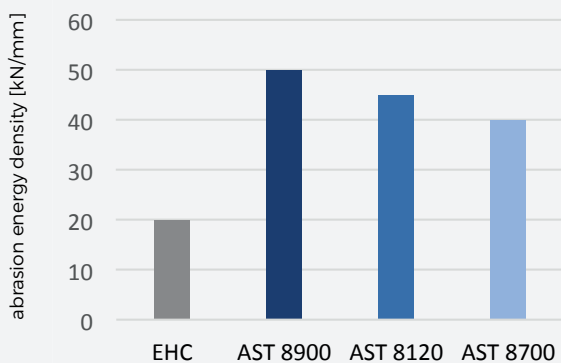
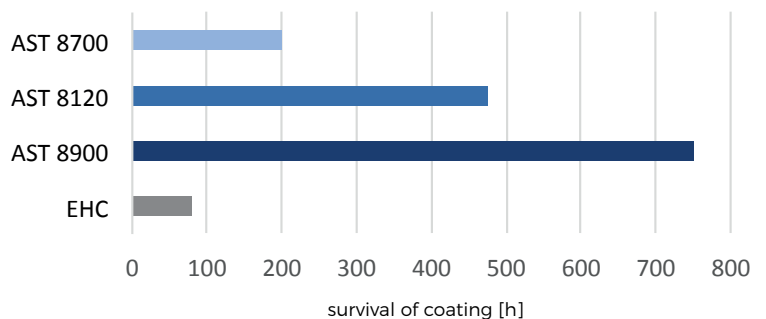
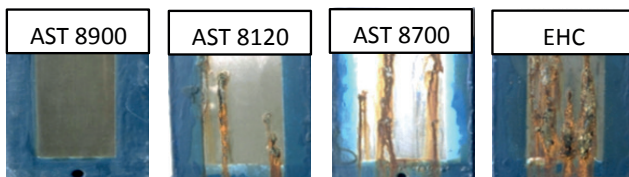
Hard Chrome Plate was the traditional choice for Hydraulic Rods, Pistons, Plungers and Rams. In industrial applications, hard-chromium plating is increasingly being replaced with HVOF-applied, carbide-containing materials.

While these coatings have good wear protection properties, many Industry standard hard-chrome replacement applications also require corrosion protection.

At Asco we have developed coatings that offer both wear and corrosion protection. In such coating systems, the carbide provides wear protection, and the metallic matrix has been formulated to provide corrosion protection



ASTM B117-90 and DIN ISO 9227 Salt Spray Test



### HVOF VS HARD-CHROME

- Significantly higher wear resistance
- Improved wear resistance
- Thicker layers can be applied for repair components
- No hydrogen embrittlement of high strength steels
- No size limitation
- Greater coating thickness uniformity
- Enhanced corrosion protection
- REACH regulations will severely restrict use of HCP