# BELZONA PROTECTS BRINE PUMP BOWLS

## **CUSTOMER**

Hydrocarbon Fractionation Facility / Hutchinson, KS

## APPLICATION DATE

January 2007

## **APPLICATION SITUATION**

New pump bowls need protection to provide a long service life. The previous bowl were lasting less than 6 months.

# **PROBLEM**

Salt brine is pumped into the ground to force stored petroleum out of storage for processing. The pumps suffer from the effects of erosion/corrosion caused by the brine.

#### **PRODUCTS**

Belzona® 1321 (Ceramic S-Metal)

## **SUBSTRATE**

Cast iron

# **APPLICATION METHOD**

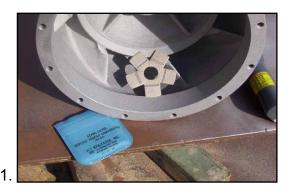
Application was completed in accordance with Belzona Know-How System leaflet CEP-3. The pump bowls were heated to a pre-application temperature of 90  $^{\circ}$ F.

# **BELZONA FACTS**

Unprotected pump bowls were lasting only a few months. The Belzona coated pumps are meeting the needs of the plant, after well over a year in service. This predictive maintenance practice will save the plant a great deal of money and improved pump reliability.

# **PICTURES**

- 1. Grit blasted bowl with surface profile sample
- 2. Mixing Belzona® 1321
- 3. Application under supervision in progress
- 4. Pump bowls with Belzona® 1321 applied









For more examples of Belzona Know-How In Action, please visit http://khia.belzona.com

Belzona products are manufactured under an ISO 9000 Registered Quality Management System.



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Repair • Protect • Improve