

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 °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



1.



2.



3.



4.

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



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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