

BELZONA PROTECTS BRINE PUMP BOWLS

ID: 885

Industry: Chemical & Petrochemical

Customer Location: Hydrocarbon Fractionation Facility /
Hutchinson, KS

Application: CEP-Centrifugal Pumps

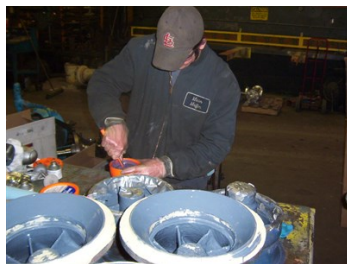
Application Date: January 2007

Substrate: Cast iron

Products: Belzona® 1321 (Ceramic S-Metal)

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.



Photograph Descriptions

* Grit blasted bowl with surface profile sample , * Mixing Belzona® 1321 , * Application under supervision in progress , * Pump bowls with Belzona® 1321 applied ,

Application Situation

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

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.

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

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
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