

# 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

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manufactured under an ISO  
9000 Registered Quality  
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