

# BELZONA DOUBLES PUMP SERVICE LIFE

ID: 1395

**Industry:** Chemical & Petrochemical  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Cast Iron  
**Products:** \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1391 (Ceramic HT) ,

**Customer Location:** Petrochemical Plant, Ukraine  
**Application Date:** December 1999

## Problem

Due to crystallization of paraffin erosion-corrosion damage occurred on the case of the pump and cover. Acquisition of certain parts of the pump was not possible.



## Photograph Descriptions

- \* Grit blasted casing ,
- \* Pump cover before rebuilding ,
- \* Belzona® 1311 applied to casing ,
- \* Completed application ,

## Application Situation

Centrifugal pump used for mixture of paraffin and petrolatum between -30°C and +30°C. Due to the build-up of product, the system is washed once a day with a mixture of MEK and Toluene at 80°C.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets CEP-5 and -3. areas were rebuilt using

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
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forming techniques.

## Belzona Facts

Repair was done within 8 hours. In 3 days the pump was returned to service. Using Belzona allowed the customer avoid having to purchase new pump parts. this application increased average service life of such pumps from 4368 hours to 9168 hours.

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