

BELZONA DOUBLES PUMP SERVICE LIFE

ID: 1395



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.

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 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.

INDUSTRY

Chemical & Petrochemical

LOCATION

Petrochemical Plant, Ukraine

APPLICATION DATE

December 1999

PRODUCTS

Belzona 1311 (Ceramic R-Metal)
Belzona 1391 (Ceramic HT)

SUBSTRATE

Cast Iron

PHOTOS

1. Grit blasted casing
2. Pump cover before rebuilding
3. Belzona 1311 applied to casing
4. Completed application

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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