

# Repair and Protection of Centrifugal Split Casing Pump

ID: 9630

Industry: Oil & Gas

Customer Location: Saudi Arabia

Application: CEP-Centrifugal Pumps

Application Date: May 2024

Substrate: Cast Iron

Products: Belzona 1111 (Super Metal), Belzona 1341 (Supermetalglide)

## Problem

The pump faced erosion and corrosion of the pump casing, resulting in pitting damage across the internal surfaces affecting performance.



Pitting damage appeared after blasting



Damage repaired with the paste grade



Coating application to the cutwater



Coating application to the nozzle

## Application Situation

A repair using Belzona 1111 and Belzona 1341 have avoided replacements, saved the customer repair and maintenance costs and improved pump efficiency.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet CEP-01 and CEP-03.

Blasting was performed for surface preparation according to Instruction For Use. Belzona 1111 was used to fill pitting and rebuild the ring seat area using the forming technique with Belzona release agent. Finally 2-coat system of Belzona 1341 was applied according to Instruction For Use.

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  
Management System.

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Repair • Protect • Improve

## Belzona Facts

Belzona has a proven track record of pump repair and the products used have outstanding performance. The customer has long experienced that such solution is superior to any other brands in the market. Pumps repaired and protected last for years in service.

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