

# Belzona repairs & protects end suction pump

ID: 9326

Industry: Oil & Gas

Customer Location: United Kingdom

Application: CEP-Centrifugal Pumps

Application Date: March 2024

Substrate: Carbon steel

Products: Belzona 1311 (Ceramic R-Metal), Belzona 1321 (Ceramic S-Metal)

## Problem

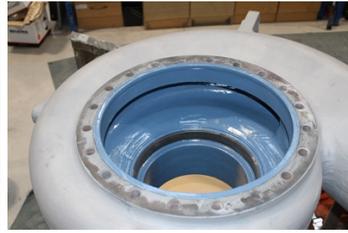
A pump casing was suffering from the effects of erosion & corrosion in service. A protective coating was required to extend the life of the pump in future service.



Pump inspection



Surface preparation in grit blasting booth



Belzona 1321 being applied



Belzona 1321 applied internally

## Application Situation

By carrying out these repairs the casing could be returned to service for many more years

## Application Method

The casing was grit blasted to SA2.5 & 75 microns. Any metal repairs were carried out using Belzona 1311 Ceramic R metal. Two coats of Belzona 1321 Ceramic S Metal were then applied.

## Belzona Facts

The Belzona 1321 Ceramic S Metal system is highly corrosion & erosion resistant. It also has a relatively thin film thickness which means the pumps performance is not adversely affected by flow constrictions as can be the case with thick coatings.

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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