

# Protection of Pump Impeller from Seawater Service

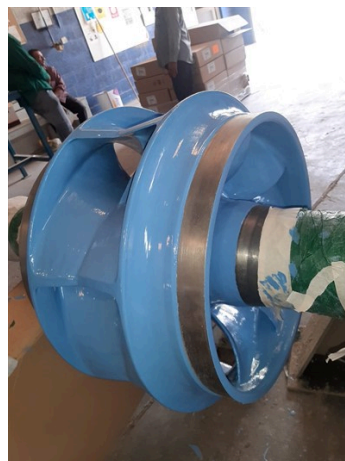
ID: 9192

Industry: Oil & Gas  
Application: CEP-Centrifugal Pumps  
Substrate: Carbon steel  
Products: Belzona 1341 (Supermetalgilde)

Customer Location: Dhahran  
Application Date: July 2023

## Problem

The impeller was exposed to corrosion due to unfiltered seawater as the pump medium. The customer needed a coating that could prevent corrosion and increase pump efficiency.



Before application

Close up of impeller vanes

Fully coated impeller for protection

Another angle for completed application

## Application Situation

Belzona provides long-term corrosion protection and improved efficiency. No other coating could provide the two properties that the customer expected.

## Application Method

Grit blasting with a surface profile of 75 microns and a cleanliness of Sa2.5. Application was carried out in accordance with Belzona Know-How System Leaflet CEP-3 with two coats of Belzona 1341 according to the IFU.

## Belzona Facts

Belzona 1341 contributed to improved pump efficiency and long-term protection of the equipment.

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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