

Protection of Pump Impeller from Seawater Service

ID: 9192

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

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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