

End Suction Potable Water Pump Refurbishment

ID: 10012

Industry: Oil & Gas

Application: CEP-Centrifugal Pumps

Substrate: Cast Iron

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

Customer Location: Khurais Saudi Arabia

Application Date: June 2024

Problem

Heavy corrosion and erosion were observed on the pump components due to continuous water contact.



An impellor suffered corrosion from prolonged exposure to water

Eroded pump component required immediate solution

Pump impellor rebuilt with Belzona 1111 (Super Metal) and overcoated with Belzona 1341 (Supermetalgilde)

Belzona 1341 (Supermetalgilde) used on pump component for repair and improving pump performance

Application Situation

The application was completed in just two days, and the pump was back in service within a week after dismantling.

Application Method

Application of Belzona 1111 (Super Metal) was carried out to restore the surface of the pump components prior to the application of Belzona 1341 (Supermetalgilde) for further protecting the equipment and enhancing the pump performance.

The application was completed with no special equipment required just a brush and plastic applicator.

Belzona Facts

The Belzona solution saved the customer from buying a brand-new pump.

Belzona 1341 (Supermetalgilde) was developed with hydrophobic technology that repel process fluids and reduce turbulent flow. In addition to protecting pumps from erosion and corrosion, it also enhances pump efficiency.

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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