

Repeated Coating of Split Casing Pump for Drinking Water

ID: 9629

Industry: Water / Wastewater

Customer Location: Saudi Arabia

Application: CEP-Centrifugal Pumps

Application Date: June 2024

Substrate: Carbon steel

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

Problem

The pump owner was faced with the problem of erosion-corrosion inside the pump, causing pitted areas in the internal surface every two years. To solve this problem, Belzona's pump solution with rebuilding and coating was used.



Pitting damage on the pump casing



Pump casing before application



Pump casing protected with Belzona pump coating

Application Situation

The customer was using some market coatings that did not last for a year and was having their pumps repaired once a year. However, after the first application of Belzona in 2017, these pumps have been re-coated every 5 years as the customer found Belzona to be long lasting and therefore very cost-effective.

Application Method

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

For the surface preparation, the pump was blasted to achieve a minimum profile of 75 microns and Near White Metal. Pitting and damages were rebuilt using Belzona 1111, and then 2-coat system of Belzona 1341N was applied in accordance with the Instruction For Use.

Belzona Facts

Belzona proved to be the best in terms of cost and long-term solution, and the hydrophobic coating offered excellent features for the customer including increased 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

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