Refurbishment of Drinking Water Split Casing Pump

ID: 9628

Industry: Water / Wastewater Customer Location: Saudi Arabia
Application: CEP-Centrifugal Pumps Application Date: August 2024

Substrate: Cast Iron

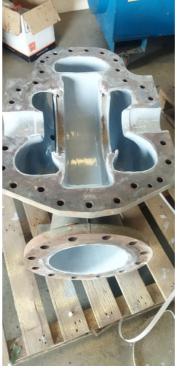
Products: Belzona 1111 (Super Metal), Belzona 1341N (Supermetalglide)

Problem

Customer faced corrosion and erosion in the casing of drinking water pump and it was unusable before Belzona repair.









Pump condition before application

Close up of corrosion damage

Pump after rebuilding and coating

Another angle shot after application

Application Situation

The pump was out of service due to severe damage and the customer planned to replace it with a new pump costing over \$20,000. Belzona save the pump and put it back to service. The Belzona 1341N coating applied was also found to improve efficiency and reduce power consumption. The customer is already considering to coat all pumps.

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 blasting to remove all the rust and contamination from the surface, achieving a minimum profile of 75 microns and Near White Metal cleanliness.

Belzona Facts

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

ISO 9001:2015 Belzona products are
FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

BELZONA®
Repair • Protect • Improve

Belzona solution saved the pump that was out of service and had to be replaced, already saving \$20,000. Without using special tools, Belzona filled pitting, repaired ring areas and impeller damage. The project costed only 30% of the original pump price.	

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