

HIGH CHROME PUMP RESTORED WITH BELZONA

ID: 7993

Industry: Water / Wastewater

Application: CEP-Centrifugal Pumps

Substrate: High Chrome

Products: * Belzona 2911 (Elastomer QD Conditioner) ,

* Belzona 2111 (D&A High Build Elastomer) ,

Customer Location: Huelva - Spain

Application Date: September 2018

Problem

Despite the high hardness of the pump casing material, the high volume of solids in the process fluid has caused entrainment erosion.



Photograph Descriptions

- * 1. General view of equipment ,
- * 2. Eroded internal casing ,
- * 3. Belzona 2911 (Elastomer QD Conditioner) applied ,
- * 4. Completed application ,

Application Situation

A waste water pump made from a High Chrome Alloy material is used to carry water with a high concentration of suspended solids.

Application Method

The surface was cleaned with water and detergent to remove residues and impurities. A non-ferrous, angular grit was used to grit blast the surface to a near white metal finish, and to achieve a rough profile. Belzona 2911 (Elastomer QD Conditioner) was applied to the surface and allowed to become touch dry. During the overcoating window, Belzona 2111 (D&A) High Build Elastomer) was applied. The application was carried out in accordance with a modified version of Belzona System Leaflet CEP-03.

Belzona Facts

Belzona 2111 (D&A High Build Elastomer) was selected to form a protective barrier for the internal surface from the effects of erosion. The high build nature of the material meant a thick layer could be applied to the surface for extended service life, reducing future maintenance requirements. The Belzona solution was a fraction of the cost of replacement.

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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