

HIGH CHROME PUMP RESTORED WITH BELZONA

CUSTOMER

Huelva - Spain

APPLICATION DATE

September 2018

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.

PROBLEM

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

PRODUCTS

Belzona 2911 (Elastomer QD Conditioner)

Belzona 2111 (D&A High Build Elastomer)

SUBSTRATE

High Chrome

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 was applied to the surface and allowed to become touch dry. During the overcoating window, Belzona 2111 was applied. The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet CEP-03.

BELZONA FACTS

Belzona 2111 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.

PICTURES

1. General view of equipment
2. Eroded internal casing
3. Belzona 2911 applied
4. Completed application



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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