

TOUGH AND LASTING BELZONA PROTECTION FOR PUMP IN DESULFURIZATION UNIT

CUSTOMER

Power Plant, La Spezia, Italy

APPLICATION DATE

December 2014

APPLICATION SITUATION

Rubber coated pump cone in a desulfurization unit at a fossil power plant.

PROBLEM

The cone was suffering from severe dry abrasion in the presence of strong concentrations of sulfides. Previously applied rubber coating started to peel, leading to leakages between flange couplings. Leaking corrosive substance in turn attacked the underlying metallic substrate, thus reducing the efficiency and the working life of this component.

PRODUCTS

Belzona 1811 (Ceramic Carbide)

SUBSTRATE

Carbon Steel

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-13. The failed rubber coating was removed, the substrate was then grit blasted and a thick layer of Belzona 1811 was applied to protect the cone from further abrasion damage.

BELZONA FACTS

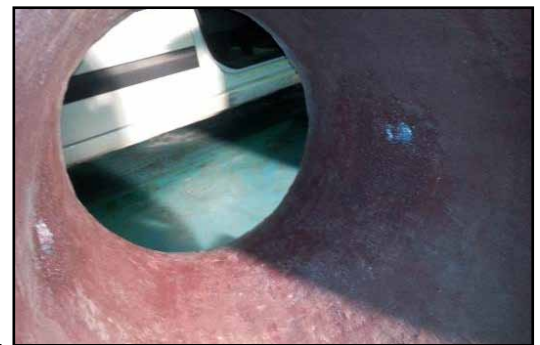
This Belzona solution succeeded where a competitive system had failed. After a year in service, Belzona 1811 is still in a as new condition, to the customer's delight. The Belzona solution effectively enhanced efficiency and the working life of this component.

PICTURES

1. Original holed rubber lining
2. Application of Belzona 1811
3. Application of Belzona 1811
4. Inspection after 1 year in service



1.



2.



3.



4.

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



Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

UK • USA • Canada • Thailand
www.belzona.com

