

TOUGH AND LASTING BELZONA PROTECTION FOR PUMP IN DESULFURIZATION UNIT

ID: 5981



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.

APPLICATION SITUATION

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

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.

INDUSTRY

Power

LOCATION

Power Plant, La Spezia, Italy

APPLICATION DATE

December 2014

PRODUCTS

Belzona 1811 (Ceramic Carbide)

SUBSTRATE

Carbon Steel

PHOTOS

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

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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under an ISO 9001 Registered
Quality Management System.

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