

# TOUGH AND LASTING BELZONA PROTECTION FOR PUMP IN DESULFURIZATION UNIT

ID: 5981

Industry: Power

Application: SHM-Solids Handling Machinery

Customer Location: Power Plant, La Spezia, Italy

Application Date: December 2014

Substrate: Carbon Steel

Products: \* Belzona 1811 (Ceramic Carbide),

## 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.



## Photograph Descriptions

- \* Original holed rubber lining ,
- \* Application of Belzona 1811 ,
- \* Application of Belzona 1811 ,
- \* Inspection after 1 year in service ,

## 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

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

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

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Repair • Protect • Improve

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.

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