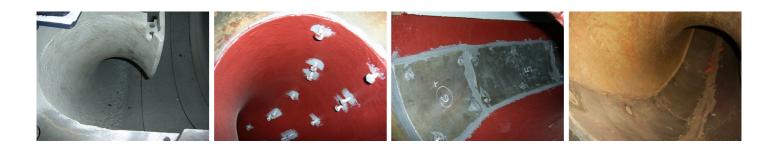
BELZONA PROTECTION OF CO₂ COMPRESSOR

ID: 1029

Industry:General IndustryCustomer Location: Soda plant, BulgariaApplication:CEP-Centrifugal PumpsApplication Date: October, 2005Substrate:Cast IronProducts:* Belzona® 1311 (Ceramic R-Metal)Belzona® 1392 (Ceramic HT2) ,

Problem

Erosion/corrosion damages on the outlet section due to high temperatures (110°C), water injection and acid contaminated flue gas.



Photograph Descriptions

* Erosion/corrosion damage to the internal surfaces reviewed after blastingBelzona[®] 1392 appliedBelzona[®] 1311 used to fix the stainless steel platesView of the protected internal profile after 2,000 working hours in service of application made in 2005,

Application Situation

100,000 m³/h multistage centrifugal compressor of CO2

Application Method

Application was carried out in accordance with a modified version of Belzona Know-How System Leaflets CEP-3, CEP-5 and SHM-7.

Belzona Facts

No other effective alternative available. Stainless steel cladding was fit on the most damaged sections using Belzona[®] 1311 to provide further protection. Inspection after 6 months and 2,000 working hours of the unit reviewed only slight discolouration and loss of gloss. According to this application method five compressors have been protected in the plant.

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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