

BELZONA NEW GENERATION HIGH TEMPERATURE LINING PROTECTS DESULFURIZATION UNIT

ID: 5648

Industry: Oil & Gas

Customer Location: Natural Gas Purification Plant, South East of China

Application: TCC-Tanks and Chemical Containment Areas

Application Date: November 2014

Substrate: Carbon Steel

Products: * Belzona 1511®Super HT-Metal®,
* Belzona 1593,

Problem

The vessel operates at 150°C (302°F) and 1.6 MPa (232 psi) pressure. The amine media, rich in H₂S, is extremely corrosive, leading to severe pitting and thinning of the vessel wall, thereby increasing operational risks.



Photograph Descriptions

- * Interior of the vessel before surface preparation ,
- * Surface preparation by grit blasting under way ,
- * Rebuilding pitted areas with Belzona 1511 ,
- * Finished application with 2 coats of Belzona 1593 after inspection ,

Application Situation

Reboiler in the Desulfurization unit.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet TCC-5. Belzona 1511 was used to fill the pitted areas and two (2) coats of Belzona 1593 were applied for overall corrosion protection.

Belzona Facts

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

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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The life of this piece of equipment was extended at a fraction of the cost of replacement. More importantly, the excellent corrosion protection provided by Belzona 1593 will ensure that the vessel operates safely.

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