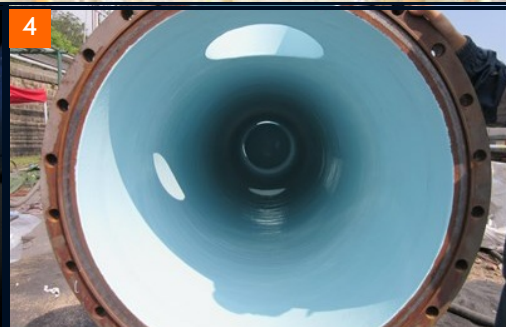


BELZONA NEW GENERATION HIGH TEMPERATURE LINING PROTECTS DESULFURIZATION UNIT

ID: 5648



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.

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

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.

INDUSTRY

Oil & Gas

LOCATION

Natural Gas Purification Plant, South East of China

APPLICATION DATE

November 2014

PRODUCTS

Belzona 1511 (Super HT-Metal)
Belzona 1593

SUBSTRATE

Carbon Steel

PHOTOS

1. Interior of the vessel before surface preparation
2. Surface preparation by grit blasting under way
3. Rebuilding pitted areas with Belzona 1511
4. Finished application with 2 coats of Belzona 1593 after inspection

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

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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