

BELZONA NEW GENERATION HIGH TEMPERATURE LINING PROTECTS DESULFURIZATION UNIT

CUSTOMER

Natural Gas Purification Plant, South East of China

APPLICATION DATE

November 2014

APPLICATION SITUATION

Reboiler in the Desulfurization unit.

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.

PRODUCTS

Belzona 1511 (Super HT-Metal)

Belzona 1593

SUBSTRATE

Carbon Steel

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.

PICTURES

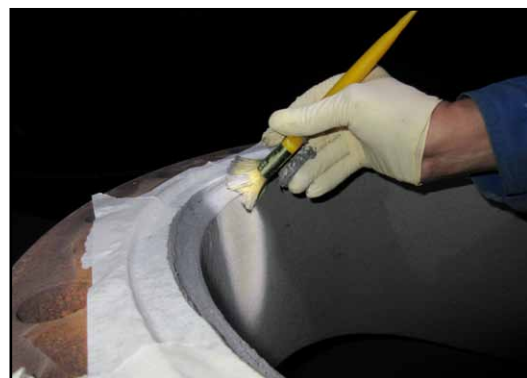
1. Interior of the vessel before surface preparation
2. Surface preparation by grit blasting under way
3. Rebuilding pitted areas with Belzona 1511
4. Finished application with 2 coats of Belzona 1593 after inspection



1.



2.



3.



4.

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



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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