

# 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

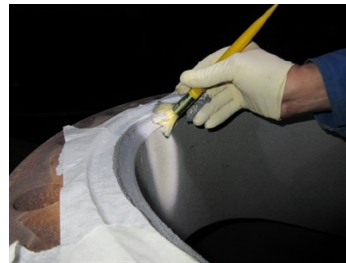
Application Date: November 2014

Substrate: Carbon Steel

Products: \* Belzona 1511<sup>®</sup> Super HT-Metal<sup>®</sup>,  
\* Belzona 1593,

## Problem

The vessel operates at 150°C (302°F) and 1.6 MPa (232 psi) pressure. The amine media, rich in H<sub>2</sub>S, 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

FS 695214

ISO 14001:2015

EMS 695213

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

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**<sup>®</sup>  
Repair • Protect • Improve

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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