

Corroded Amine Vessel Saved By Belzona

ID: 4184

Industry: Oil & Gas
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Mild Steel
Products: * Belzona 1511 (Super HT Metal),
* Belzona 1591 (Ceramic XHT Metal),

Customer Location: Queensferry
Application Date: October 11

Problem

The vessel walls were starting to degrade significantly with either a Belzona repair or costly replacement being the options.



Photograph Descriptions

* Picture 1 - The vessel in a contained environment for blasting. Picture 2 - Pitting and Corrosion Picture 3 - Belzona 1511 applied over pitting Picture 4 - Belzona 1591 Applied ,

Application Situation

An Amine Boiler had suffered from the high temperatures with a high level of pitting and corrosion

Application Method

The Vessel was grit blasted to SA 2.5 75 microns minimum. All brackets had their edges radius to 3mm. Belzona 1511 Super HT Metal was used to fill in the deep pitting that had occurred. A stripe coat of Belzona 1591 was placed around brackets. Two coats of 1591 was applied with a flash blast between coats. Remedial work was carried out where necessary.

Belzona Facts

Belzona Repaired the vessel in 1 week including preparation and remedial work. Belzona completely prevented corrosion. Costly replacement was avoided which wouldn't have stopped the problem.

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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