

CORRODED AMINE VESSEL SAVED BY BELZONA

ID: 4184



PROBLEM

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

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.

INDUSTRY

Oil & Gas

LOCATION

Queensferry

APPLICATION DATE

October 11

PRODUCTS

Belzona 1511 (Super HT Metal)

Belzona 1591 (Ceramic XHT Metal)

SUBSTRATE

Mild Steel

PHOTOS

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

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

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