

BELZONA STORAGE TANK PATCH REPAIR

ID: 2404



PROBLEM

A vertical weld was found to be porous and product was weeping from a tiny porous spot less than 2mm in diameter. There was no corrosion or thin walling. The defect was located at the 30' level of a 56' high tank. The client needed the tank to be back in service as soon as possible.

APPLICATION SITUATION

Defective vertical seam of a fuel oil storage tank.

APPLICATION METHOD

The application was carried out in accordance with the Belzona® SuperWrap Application Working Procedure.

BELZONA FACTS

The defect was sealed using a Belzona® SuperWrap patch and the repair was continued vertically along the entire length of the weld as a precaution. Belzona's compliant, engineered repair enabled the client to eliminate the need for hot work on the tank, which was a safety concern. This approach also minimized the time the tank was out of service. The tank was repaired, inspected, and ready for service within three days. Furthermore, the tank was back to full height of product three weeks later with successful results. The Belzona repair is compliant to ISO/TS 24817, DOT Title 49, Chapter 1, Part 192, and ASME PCC-2 Article 4.1 standards and as such provides a permanent, reinforced, composite repair to the tank.

INDUSTRY

Oil & Gas

LOCATION

Energy Provider, USA

APPLICATION DATE

April 2009

PRODUCTS

Belzona SuperWrap

SUBSTRATE

Carbon Steel

PHOTOS

1. Defect prior to repair
2. Repair area prepared by abrasive blasting
3. Application of Belzona SuperWrap patch
4. Belzona SuperWrap patch inspected and painted

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under an ISO 9001 Registered
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