BELZONA STORAGE TANK PATCH REPAIR

Industry:	*Oil & Gas*	Customer Location:	*Energy Provider, USA*
Application:	*TCC-Tanks and Chemical Containment Areas*	Application Date:	*April 2009*
Substrate:	*Carbon Steel*		
Products:	** Belzona® SuperWrap ,*		

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.

Photograph Descriptions

* Defect prior to repair ,

* Repair area prepared by abrasive blasting ,

* Application of Belzona® SuperWrap patch ,

* Belzona® SuperWrap patch inspected and painted ,

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

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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.