

# BELZONA STORAGE TANK PATCH REPAIR

ID: 2404

Industry: Oil & Gas  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Carbon Steel  
Products: \* Belzona® SuperWrap ,

Customer Location: Energy Provider, USA  
Application Date: April 2009

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

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

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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.

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