

BELZONA REPAIRS HYDROCARBON TRANSFER LINES ONLINE

ID: 4670

Industry: Chemical & Petrochemical
Application: VPF-Valves, Pipes and Fittings
Substrate: Steel
Products: * Belzona® SuperWrap ,

Customer Location: Fuel storage depot, Italy
Application Date: June 2013

Problem

The pipelines were suffering from external corrosion, which had led to thin walls with minimum thickness in some places reaching 1.4mm, whereas the original wall thickness was 9.52mm. The client required a composite repair compliant to ISO/TS 2481 that could be completed on both pipes within a limited timeframe and without the need for shutdown.



Photograph Descriptions

* 1. Wetting out the substrate 2. Rebuilding corrosion pitting 3. Applying the fibre/resin composite 4 Completed application

Application Situation

Two transfer pipelines for oil and hydrocarbons at the fuel handling facility. With no scheduled shut-down the pipelines required repairing/protecting whilst in service.

Application Method

The application was carried out by validated applicators in accordance with Belzona Superwrap procedures which follow System Leaflet VPF-11.

Belzona Facts

Belzona's fully compliant SuperWrap system was chosen and designed to Belzona's most stringent standards. The hydrocarbon pipe required two layers of material, whereas the oil transfer pipe was encapsulated using five layers. Application took place in June 2013 and the client was so satisfied with the outcome, they ordered similar repairs to be carried out on the rest of the exposed pipework in the following months. The expected service life of this application is a minimum of 10 years, which could be extended during a 2023 inspection.

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

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