24inch Pipe Leak Repair of Using Belzona 1212 and SuperWrap II

ID: 9489

Industry: Oil & Gas Customer Location: Wafra, Kuwait

Application: VPF-Valves, Pipes and Fittings Application Date: July 2024

Substrate: Carbon steel

Products: Belzona 1212,Belzona SuperWrap II

Problem

The client is experiencing wall thickness loss which has led to a 6-7 cm hole in the 24-inch crude oil pipeline. The excessive erosion and corrosion of the crude oil is causing the leaks. The pipeline is operating at ambient temperature and a pressure of up to 5 bar.



Pipe defect prior to Belzona application



Steel plate bonded using Belzona 1212



Application of Belzona Superwrap II



Completed Belzona Superwrap
II repair

Application Situation

Compliant non metallic structural reinforcement repair on crude line.

Application Method

Surface preparation was completed using power tools. Belzona 1212 along with patch plates were applied to seal the defect area. Once Belzona 1212 fully cured, Belzona Superwrap II application was carried out to consolidate the repair.

Belzona Facts

The conventional clamping system would require more downtime and frequent maintenance or replacement over time. Belzona

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ISO 9001:2015
Belzona products are
FS 695214
manufactured under an ISO
ISO 14001:2015
9000 Registered Quality
EMS 695213
Management System.

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Superwrap II can be applied to the damaged area with minimal preparation, downtime, and without the need for hot work on site. The client was pleased with the performance of Superwrap II and approved its addition as part of their maintenance procedures.	
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