

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

ID: 9489

Industry: Oil & Gas
Application: VPF-Valves, Pipes and Fittings
Substrate: Carbon steel
Products: Belzona 1212, Belzona SuperWrap II

Customer Location: Wafra, Kuwait
Application Date: July 2024

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

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

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FS 695214
ISO 14001:2015
EMS 695213

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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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