

BELZONA SUPERWRAP II EXTENDS LIFE OF PIPING BY 10 YEARS

ID: 8574

Industry: Oil & Gas
Application: VPF-Valves, Pipes and Fittings
Substrate: Carbon Steel
Products: * Belzona 1983 (SuperWrap II Resin) ,
* Belzona 9381 (SuperWrap II Reinforcement Sheet) ,
* Belzona 9382 (Release Film) ,

Customer Location: Western Australia
Application Date: October 2020

Problem

The 250 mm diameter pipe had developed a critical (Class 3) through wall defect at the bent. The operating temperature was 50°C and the operating pressure was 15 bar.



Photograph Descriptions

- * 1. Defect area of the pipe ,
- * 2. Surface abrasive blasted ,
- * 3. Application in progress ,
- * 4. Release Film over the wrap waiting to cure ,

Application Situation

High Pressure, Fuel Oil Piping

Application Method

The application was completed in accordance with Belzona Know-How System Leaflet VPF-11. The defect area was abrasive blasted to SA 2.5 with a 75 microns profile. Belzona SuperWrap II was applied in accordance with the engineered design as an 8 wrap system with the total length of 490 mm, using Belzona 1983 resin to provide a further 12 years service life.

Belzona Facts

Belzona SuperWrap II was chosen because it is an engineered solution that can be designed as a pipe repair system being compliant to ISO 24817 and ASME PCC-2. With the customer being able to do their own designs and having validated applicators on site, makes the onsite maintenance team independent and the repair was completed with-in 48 hours.

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

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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