

# BELZONA SUPERWRAP II RETURNS PIPING BACK TO SERVICE IN 48 HOURS

ID: 8577

Industry: Oil & Gas

Customer Location: Western Australia

Application: VPF-Valves, Pipes and Fittings

Application Date: October 2020

Substrate: Carbon Steel

Products: \* Belzona 1983 (SuperWrap II Resin) ,  
\* Belzona 9381 (SuperWrap II Reinforcement Sheet) ,  
\* Belzona 9382 (Release Film) ,

## Problem

The 220mm diameter pipe had developed a critical (Class 3) thin wall defect at the bend. The operating temperature was 95°C and the operating pressure was 10 bar. The total defect length was 280mm in axial.



## Photograph Descriptions

- \* 1. Measuring the corroded pipe ,
- \* 2. Wetting out the Reinforcement Sheet ,
- \* 3. Wrapping the pipe ,
- \* 4. Applying the Release Film over the wrap ,

## Application Situation

High Temperature, Hydrocarbon 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 a 6 wrap system, 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, and is compliant with both ISO 24817 and ASME PCC-2. With the customer able to do their own designs and having applicators on-site, the repair was completed within 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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