

BELZONA SUPERWRAP II EXTENDS LIFE OF PIPING BY 10 YEARS

ID: 8574



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.

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.

INDUSTRY

Oil & Gas

LOCATION

Western Australia

APPLICATION DATE

October 2020

PRODUCTS

Belzona 1983 (SuperWrap II Resin)
Belzona 9381 (SuperWrap II Reinforcement Sheet)
Belzona 9382 (Release Film)

SUBSTRATE

Carbon Steel

PHOTOS

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

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

www.belzona.com

