

BELZONA SUPERWRAP PIPE REPAIR

ID: 1982



PROBLEM

There were two 10mm holes through wall defects in the pipe caused by local bacterial corrosion. Prior to the application, the defects were sealed with a patch of Belzona® 1211 to provide a temporary leak sealing repair. The client needed the pipe system back in service as soon as possible.

APPLICATION SITUATION

A six-inch diameter pipe, carrying produced water, operating at 30-55°C and 1.5-2 Bar pressure.

APPLICATION METHOD

The application was carried out in accordance with the Belzona® SuperWrap Application Working Procedure.

BELZONA FACTS

A Belzona® SuperWrap repair, compliant to ISO/TS 24817 and ASME PCC-2 Article 4.1, was applied to provide reinforced protection to the weak and vulnerable areas of the corroded pipework. Using a Belzona® SuperWrap repair, the client was able to eliminate the need for hot work and this approach also minimized the time the pipe system was out of service. The pipe repair was completed within two hours and was back to full strength following a forty-eight-hour cure period.

INDUSTRY

Oil & Gas

LOCATION

Major oil producer, North Sea, Norway

APPLICATION DATE

April 2009

PRODUCTS

Belzona SuperWrap

SUBSTRATE

Carbon Steel

PHOTOS

1. Defective pipe prior to repair
2. Grit blasting and preparing the application area
3. Second spiral applied
4. Finished application

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

