

BELZONA SUPERWRAP WATER/CONDENSATE PIPE REPAIR

ID: 3416



PROBLEM

An area of the pipe system had lost 2/3 of its original wall thickness due to internal corrosion. The affected area was expected to go through-wall within the next 2-3 years. The client needed a compliant repair designed for a minimum of 5 years.

APPLICATION SITUATION

A six inch diameter pipe, carrying water and condensate, operating at 30-50°C and 31 Bar pressure.

APPLICATION METHOD

A Belzona® SuperWrap reinforced repair, compliant to ISO/TS24817 and ASME PCC-2 Article 4 was designed and applied by validated applicators.

BELZONA FACTS

Large parts of the system were planned to be removed by the end of 2011 due to these defects. Using Belzona® SuperWrap, the client was able to significantly extend the lifetime of the system without the need for hot work. The repair was completed within twelve hours and after a 48 hours cure period the system was back in service. The Belzona® Superwrap was designed so that integrity in the system was maintained even after the defect goes through-wall. The Belzona® SuperWrap repair is compliant until 2016.

INDUSTRY

Oil & Gas

LOCATION

Major Oil Producer, North Sea, Norway

APPLICATION DATE

October 2011

PRODUCTS

Belzona SuperWrap

SUBSTRATE

Carbon Steel

PHOTOS

1. Grit blasted pipe prior to repair
2. Reinforcement spirals applied (9 in total)
3. Finished Application (Thickness 33mm, Length 540mm)

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