

OFFSHORE REPAIR OF A RISER PIPE

ID: 5462



PROBLEM

Cavitation near the flange, erosion between flange and T-section. Surface preparation created through-wall defects because of the thin remaining thickness of the pipe at some points.

APPLICATION SITUATION

12" T-pipe on an FPSO.

APPLICATION METHOD

In this case of emergency, an internal repair has been carried out first with Belzona 1121 in accordance with Belzona Know-How system leaflet VPF-I. Then a plate has been bonded on the through wall defect using the system leaflet VPF-II. To finish the repair, a reinforced wrap has been applied with Belzona 1121 and Belzona 9341. As the customer wanted a compliant repair, a Belzona SuperWrap system was designed and applied atop.

BELZONA FACTS

Due to the situation of the pipe and the explosive environment, Belzona products permitted a cold repair and a quick return to service which saved a substantial amount of money.

INDUSTRY

Oil & Gas

LOCATION

Ivory Coast

APPLICATION DATE

May 2014

PRODUCTS

Belzona 1121

SUBSTRATE

Steel

PHOTOS

1. Before repair
2. During internal application
3. External repair - plate bonding
4. Finished repair

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

