# Offshore repair of a riser pipe

Industry: Oil & Gas Application: VPF-Valves, Pipes and Fittings Substrate: Steel Products: \* Belzona 1121,

Customer Location: Ivory Coast Application Date: May 2014

## 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.



### Photograph Descriptions

- \* Before repair,
- \* During internal application,
- \* External repair plate bonding,
- \* Finished repair,

#### **Application Situation**

12" T-pipe on an FPSO.

## **Application Method**

In this case of emergency, an internal repair has been carries out first with Belzona 1121 in accordance with Belzona Know-How system leaflet VPF-1. Then a plate has been bonded on the through wall defect using the system leaflet VPF-11. 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**

FS 695214

Due to the situation of the pipe and the explosive environment, Belzona products permitted a cold repair and a quick return to

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

ISO 9001:2015 Belzona products are manufactured under an ISO ISO 14001:2015 9000 Registered Quality EMS 695213 Management System.

www.belzona.com



ID: 5462

service which saved a substantial amount of money.

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

EMS 695213

ISO 9001:2015Belzona products areFS 695214manufactured under an ISO ISO 14001:2015 9000 Registered Quality EMS 695213 Management System.

www.belzona.com

