

Offshore repair of a riser pipe

ID: 5462

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 carried 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

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

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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