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

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

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service which saved a substantial amount of money.

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