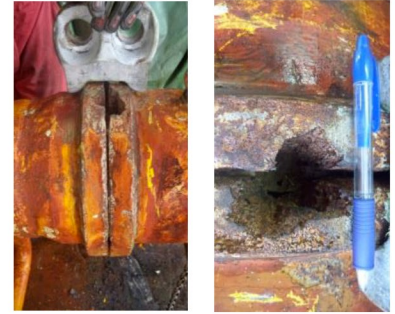




COMPOSITE REPAIR SPECIALIST

- LOCATION: FPSO MONDO (ANGOLA) – Block 15
- DATE OF PROJECT: April 2015
- PIPE: 12" water injection / thickness:38,1mm
- ID LINE: WI-M26002-25C02
- TYPE OF DEFECT: Hole in between flanges
- DESIGN PRESSURE: 344 bars
- TEMPERATURE: 35°C
- 3X SOLUTION: REINFORCEKIT 4D

REPAIR PERFORMED BY OUR LOCAL DISTRIBUTOR



OVERVIEW

A whole in between 2 flanges on a 12" water injection line surrounded by a Galperti clamp

SCOPE OF WORK

Surface was to be prepared by using the pneumatic bristle MONTI brush to obtain the appropriate roughness. Filler (F3X8) was injected manually in between the flanges to fulfill the hole (refer to pictures on the right). In order to improve the wrapping, 2 layers of kevlar (100mm width) was covered by the filler and applied on the outside diameter of the connection (see 4th picture) Then IC resin (R3X5) was applied also with 100mm width kevlar bandage around the connection to prevent further leakage (see 5th picture). The Galperti clamp was put bolted back on the connection to insure maximum resistance. At last, filler was applied in between the gap of the clamp and the line to definitely seal the leak (refer last picture).

RESULTS

On this special case 3X ENGINEERING has demonstrated once again its efficiency and competency to contain leaks at very high pressure (onshore & offshore).



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