

BELZONA KEEPS RIG RUNNING AFTER GLASS FLAKE FAILURE

ID: 5606

Industry: Oil & Gas
Application: VPF-Valves, Pipes and Fittings
Substrate: Steel
Products: * Belzona 1381 ,
* Belzona 1111 (Super Metal) ,

Customer Location: North Sea, UK
Application Date: May 2015

Problem

Existing caisson had been lined with a glass flake coating, which has since failed. HSE authority have requested for the caisson to be replaced or the rig would have to be shut down. Given the short notice, metal cladding of the caisson was no longer an option. Additionally, the customer would not repeat the same mistake by specifying a glass flake coating again. A key parameter in the material selection was the design life of 35 years. The lining option would have to be robust and remain maintenance-free for a long time.



Photograph Descriptions

- * Grit blasted caisson ,
- * Spray application in progress ,
- * Lining thickness being measured ,
- * Completed application ,

Application Situation

A 52" diameter seawater discharge caisson made up of 5 sections of varying lengths (between 11 and 15 meters) on an offshore oil rig required internal corrosion protection.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet VPF-2. The coating was applied at a thickness of 2 x 1000 microns to optimize longevity of the equipment. Flange faces were protected with Belzona 1111.

Belzona Facts

Maintenance work on a caisson would be very difficult due to access. Based on many years of previous experience with Belzona

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FS 695214
ISO 14001:2015
EMS 695213

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materials as well as features of the novel Belzona linings, the client was satisfied that choosing Belzona 1111 and Belzona 1381 was the best option to ensure uninterrupted running of the rig.

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