

Belzona Provides Better Protection for Seawater Pipe Spools

ID: 9531

Industry: Oil & Gas
Application: VPF-Valves, Pipes and Fittings
Substrate: Stainless-steel
Products: Belzona 1331

Customer Location: Qatar (Offshore)
Application Date: September 2015

Problem

As internal coating failures could cause severe erosion and catastrophic damage, existing pipelines had to be replaced with newly protected lines,



Internal surface prepared by grit blasting to achieve the minimum requirement of Sa2.5



Surface profile measurement and salt testing after blasting



Wet film thickness checked during coating application



Completed application

Application Situation

The two newly fabricated spools are internally coated by a spin-spray machine with Belzona 1331 as a protective lining, which is recommended and approved for internal lining, instead of using the existing lining material.

Application Method

The application was carried out in accordance with Belzona Know-How system leaflet VPF-2.

A spin spray machine was used for the application. The machine was introduced to the client to carry out a mock up demonstration with a relevant coating integrity tests, and the client was really amazed with the outcome.

Belzona Facts

Belzona 1331 has excellent erosion-corrosion resistance. It is a spray friendly material as it contains no ceramic fillers. It is also suitable for robotic spray applications on pipe inner surface linings due to its sag-resistance of up to 1500 microns in a single pass. The application took place in September 2015 and according to the client's review, the spools have been operating in good conditions to date, but the line can only be shut down for inspection 10 years after the installation.

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

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

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