

Belzona Provided a Better Grip on a Caisson Clamp Pipeline support

ID: 9777

Industry: Oil & Gas

Customer Location: AL Shaheen Field Offshore Qatar

Application: GSS-Gaskets, Seals and Shims

Application Date: January 2023

Substrate: Carbon steel

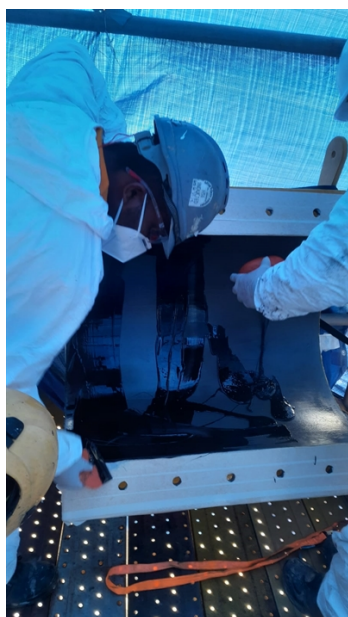
Products: Belzona 2111 (D & A Hi-Build Elastomer), Belzona 2921 (Elastomer GP Conditioner)

Problem

The bonding of the previously installed neoprene rubber sheet failed. Traces of corrosion dripping out in between the rubber sheet and the clamp were observed after a few months of installation.



Belzona 2921 Surface Conditioner Application



Belzona 2111 (D & A Hi-Build Elastomer) Bonding material application



Clamping using a dummy pipe to compress the Neoprene Rubber sheet



Completed Bonding Application

Application Situation

The newly fabricated caisson clamp needs to be sheathed with a corrugated neoprene rubber, and it must be bonded to the clamp using a tougher bonding material with a required 1.5 mm thick bonding line.

Application Method

The application was done using a stiff bristled brush in accordance with Belzona System Leaflet SHM-12.

Using a dummy pipe with the same diameter as the actual pipe, the corrugated neoprene rubber sheet was bonded in a sandwich between the clamp and the dummy pipe by tightening the bolts.

Belzona Facts

Belzona 2111 (D & A Hi-Build Elastomer) can be used as rebuilding and adhesive for elastomeric and non elastomeric substrates. Easy to apply without any hot work for bonding.

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

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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Belzona 2921 (Elastomer GP Conditioner) is a surface conditioner which is the elastomeric primer required for better adhesion of Belzona elastomers onto any rigid and flexible substrates.

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