

BELZONA CRUDE OIL TRANSFER HOSE REPAIR

ID: 395

Industry: Oil & Gas
Application: VPF-Valves, Pipes and Fittings
Substrate: Steel with protective galvanising
Products: * Belzona® 1321 (Ceramic S-Metal) ,

Customer Location: Offshore Oil Company
Application Date: Summer 2003

Problem

The sealing face of the transfer hose flange had been damaged preventing a seal.



Photograph Descriptions

- * Former in place and tightened up. ,
- * The end result shows a perfectly reproduced gramophone sealing face. ,
- * The hose was then pressure tested to 18 bar according to International (OCIMF 1991) and Dunlop Oil & Marine Test Guidelines. ,

Application Situation

Crude oil transfer hose.

Application Method

The galvanising was grit-blasted off and a new sealing face formed using the Belzona® 1321. Rubber plugs were inserted to prevent excess material seeping in to the boltholes. Metal shims were inserted to ensure an adequate thickness of Belzona® 1321 was formed on the flange face.

Belzona Facts

Once the galvanised surface had been damaged, corrosion creep had occurred beneath it. The use of Belzona® 1321 not only restores the profile of the sealing face but also offers long term corrosion protection. The entire application was completed for less than £1,000 (\$1,600) compared to the £18,000 (\$28,800) replacement cost of the hose.

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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manufactured under an ISO
9000 Registered Quality
Management System.

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