

BELZONA CRUDE OIL TRANSFER HOSE REPAIR

CUSTOMER

Offshore Oil Company

APPLICATION DATE

Summer 2003

APPLICATION SITUATION

Crude oil transfer hose.

PROBLEM

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

PRODUCTS

Belzona® 1321 (Ceramic S-Metal)

SUBSTRATE

Steel with protective galvanising

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.

PICTURES

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



1.



2.



3.

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



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