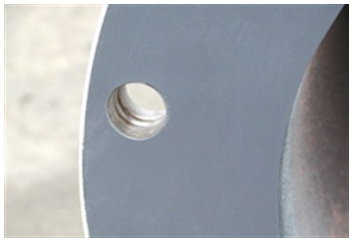
BELZONA CRUDE OIL TRANSFER HOSE REPAIR

ID: 395

Industry:	*Oil & Gas*	Customer Location:	*Offshore Oil Company*
Application:	*VPF-Valves, Pipes and Fittings*	Application Date:	*Summer 2003*
Substrate:	*Steel with protective galvanising*		
Products:	** Belzona® 1321 (Ceramic S-Metal) ,*		

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 glavanised surface had been damaged, corrosion creep had ocurred 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.