

GALVANIC CORROSION IN WATER MAKER REPAIRED WITH BELZONA

CUSTOMER

FPSO UK, North Sea

APPLICATION DATE

July 2002

APPLICATION SITUATION

The fresh water maker started to leak

PROBLEM

Galvanic corrosion caused by the failure of the insulating gasket caused severe corrosion and under cut the existing glass flake coating. Base material was Carbon Steel plates were Titanium.

PRODUCTS

Belzona® 1111 (Super Metal)

Belzona® 1321 (Ceramic S Metal)

SUBSTRATE

Carbon Steel

APPLICATION METHOD

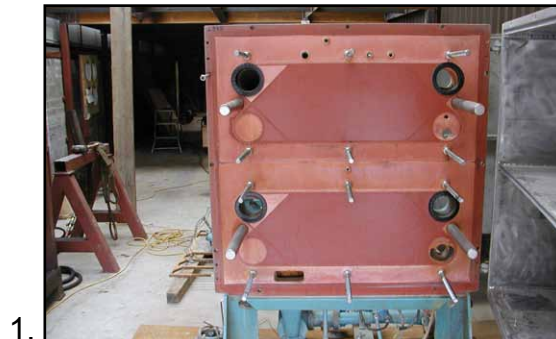
Application completed in accordance with Belzona Know-How System Leaflet VPF-13.

BELZONA FACTS

Weld repair would have damaged more of the existing coating and onsite machining would have had to be used to reinstate the sealing faces and the bore of the nozzles. Time was key factor as this was an emergency repair situation.

PICTURES

1. Water Maker
2. One of the areas of galvanic corrosion
3. Forming the repair
4. Repair completed, perfectly formed flange face



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



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