

GALVANIC CORROSION IN WATER MAKER REPAIRED WITH BELZONA

ID: 908

Industry: Water / Wastewater

Application: VPF-Valves, Pipes and Fittings

Substrate: Carbon Steel

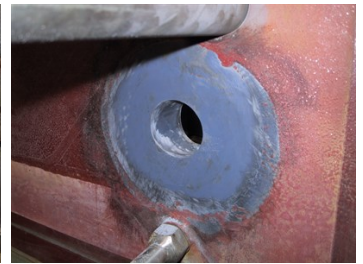
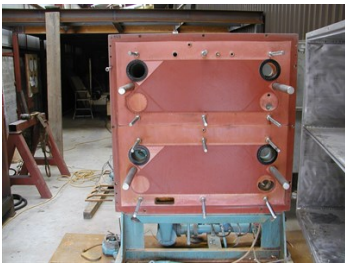
Products: * Belzona® 1111 (Super Metal) ,
* Belzona® 1321 (Ceramic S Metal) ,

Customer Location: FPSO UK, North Sea

Application Date: July 2002

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.



Photograph Descriptions

- * Water Maker ,
- * One of the areas of galvanic corrosion ,
- * Forming the repair ,
- * Repair completed, perfectly formed flange face ,

Application Situation

The fresh water maker started to leak

Application Method

Application completed in accordance with Belzona 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.

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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