

Bunker Fuel Transfer Pump Repair

ID: 9776

Industry: Marine
Application: CEP-Centrifugal Pumps
Substrate: Carbon steel
Products: Belzona 1161 (Super UW-Metal)

Customer Location: 37.958953, 23.612401
Application Date: January 2025

Problem

The traditional welding method has failed on a fully propagated crack, resulting in crude oil leakage from the pump bypass valve.



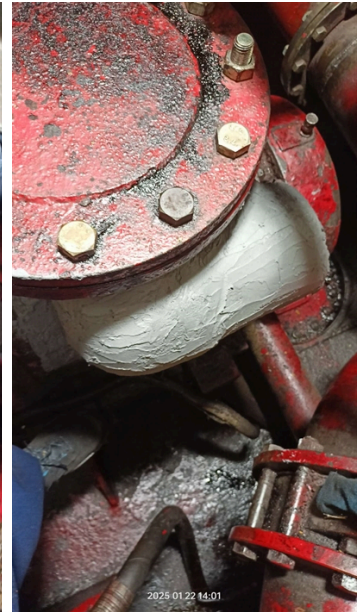
Initial Damage.



Prepared surface.



Belzona Super Metal application.



Complete Repair.

Application Situation

The pump was situated in a cramped pump station room, and replacing the component would have demanded significantly more time and money. Belzona provided a quick repair solution at a fraction of the cost using 4kg of Belzona 1161.

Application Method

The surface was roughened through grinding and subsequently cleaned. A first layer of Belzona 1161 was applied to the internal and external sides of the bypass valve. Belzona Reinforcement tape, embedded on both sides with Belzona 1161, was used to strengthen the repair, which was then covered with an additional layer of Belzona 1161.

Belzona Facts

The customer was highly satisfied with the repair. Belzona provided a cost-effective solution within one hour, preventing the need for a pump replacement.

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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