

BELZONA PROTECTS DESALTER FROM CORROSION

ID: 7758

Industry: Oil & Gas
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Mild steel
Products: * Belzona 1511 (HT metal) ,
* Belzona 1523 ,
* Belzona 1593 ,

Customer Location: Scotland
Application Date: May 2018

Problem

The vessels contained hydrocarbons, salts & wet H₂S at high temperature. The previous coating had failed, leaving the vessel exposed to the potential for corrosion.



Photograph Descriptions

- * Osmotic blistering in existing coating ,
- * Surface after grit blasting ,
- * Belzona 1511 used to pit fill ,
- * Two coats of Belzona 1523 applied by spray ,

Application Situation

Two desalters had come out of service. Osmotic blistering had been noted on the previous coating within the vessel. A long term solution was required to protect the two vessels from corrosion.

Application Method

The vessels were blasted to SA2.5 & minimum 75 microns using garnet. Salt tests were carried out to ensure the levels were within acceptable limits. Any pits found were filled with Belzona 1511. Hard to spray areas were stripe coated with Belzona 1593. Two coats of Belzona 1523 were then applied. The application was carried out in accordance with Belzona System Leaflet TCC-5.

Belzona Facts

The vessel coating was completed within a tight shutdown window. This method of coating rather than replacing the vessels ensured long term protection with minimal disruption to the plant.

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FS 695214
ISO 14001:2015
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