

BELZONA REBUILDS 1.5M DIAMETER CONDENSER FLANGE FACE

ID: 8579

Industry: Oil & Gas
Application: VPF-Valves, Pipes and Fittings
Substrate: Carbon steel
Products: * Belzona 1121 (Super XL-Metal) ,
* Belzona 9411 (Release Agent) ,

Customer Location: Western Australia.
Application Date: May 2018

Problem

The previous repair on the Condenser Flange had failed and the customer was fearing that it would start leaking. This would cause unplanned downtime costing thousands of dollars.



Photograph Descriptions

- * 1. Close up of the damaged flange. ,
- * 2. 1.5m diameter Flange Former. ,
- * 3. Flange Former bolted in place. ,
- * 4. Completed application. ,

Application Situation

Exhaust Condenser Flange Rebuild.

Application Method

The application was carried out in accordance with Belzona System Leaflet VPF 13 by using a 1.5m diameter, 50mm thick, flat Flange Former coated with Belzona 9411 and left to dry. Belzona 1121 was applied to the flange face and using a plastic applicator with a “V” cut out, was shaped all around with a 6mm high peak in the center. 2mm spacers were placed evenly all round to ensure the Former would sit level when bolted down. 1mm thick Belzona 1121 was then applied to the Former before bringing the two together and bolting up the former. The Belzona 1121 was left overnight to cure before gently removing the Former.

Belzona Facts

Belzona Flange Forming System was chosen because it was quicker, easier and more cost effective than welding alternatives. This saved time and avoided any unnecessary down time which would have cost thousands of dollars. Additionally, the Belzona solution eliminates the chance of any future corrosion occurring.

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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