

BELZON SEALS THE MANWAY FLANGE OF A HEATER TREATER

ID: 5832

Industry: Oil & Gas
Application: VPF-Valves, Pipes and Fittings
Substrate: Carbon Steel
Products: * Belzona 1111 (Super Metal) ,
* Belzona 9111 (Cleaner Degreaser) ,
* Belzona 9411 (Release Agent) ,

Customer Location: Gulf of Mexico
Application Date: March 2015

Problem

After years of service, the manway flange sealing surface was pitted/deteriorated and was not sealing properly. The customer needed a repair system that could restore the sealing surface of the manway flanges without hot work, which would cause unwanted downtime.



Photograph Descriptions

- * View of pitted/damaged flange face. ,
- * Belzona 1111 applied to receiver flange after grit blasting, and to machined area of template. ,
- * Template bolted to receiver flange. ,
- * Application complete - reformed flange face ready for service. ,

Application Situation

Two Heater Treater 24" manway flanges not sealing properly.

Application Method

The flange face forming repair was conducted in accordance with Belzona Know-How System Leaflet VPF-17. The receiver flange was prepared by grit blasting and a polyurethane template was machined to specifications and coated with Belzona 9411. It was allowed to dry and a layer of Belzona 1111 was installed on the template and receiver flange. Then, the template was bolted to the receiver flange for two hours, allowing Belzona 1111 to cure. The template was then removed and the receiver flange cleaned and dressed.

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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Belzona Facts

The Heater Treater had been taken out of service by a regulatory agency due to leaking flanges. Replacement of the two manway flanges required hot work and extended downtime. The Belzona Flange Face Forming system did not require hot work, eliminating downtime and production loss.

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