

Belzona Repairs Cracked Head

ID: 8593

Industry: Chemical & Petrochemical
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Stainless Steel
Products: * Belzona 1511 (Super HT-Metal) ,
* Belzona 1983 ,
* Belzona 9381 (SWII reinforcement sheet) ,
* Belzona 1593 ,

Customer Location: Houston
Application Date: 2019

Problem

New head would cost upwards of \$75,000 and would have a 6 month lead time.



Photograph Descriptions

- * 1. Cracks found with dye penetrate ,
- * 2. 1st coat of Belzona 1593 and internal SW II after sweep blast ,
- * 3. External SuperWrap II ,
- * 4 Final coat of Belzona 1593 ,

Application Situation

A stainless steel head to a pressure vessel has a hairline crack along a weld.

Application Method

Cracks were found using dye penetrate. All cracks were terminated, holes drilled and tapped 3/8" deep, and set screws installed. Belzona 1511 was used to flush out and rebuild the circumferential weld. Belzona SuperWrap II was applied on both the internal and external surface as a 6 layer system. Belzona 1593 was applied to the internals as a 2 coat system for additional protection.

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.

www.belzona.com


BELZONA
Repair • Protect • Improve

Belzona Facts

Application completed over the weekend. Still in service after 2 years. Amine service at 250 F.

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.

www.belzona.com



Copyright © Belzona International Limited 2025