

# Belzona Repairs Cracked Head

ID: 8593

**Industry:** Chemical & Petrochemical  
**Application:** TCC-Tanks and Chemical Containment Areas

**Customer Location:** Houston

**Application Date:** 2019

**Substrate:** Stainless Steel

**Products:** \* Belzona 1511 (Super HT-Metal),  
\* Belzona 1983 ,  
\* Belzona 9381 (SWII reinforcement sheet) ,  
\* Belzona 1593 ,

## 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.

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## Belzona Facts

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

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