

Belzona Saves Refinery Millions

ID: 1039

Industry: Oil & Gas
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Carbon Steel
Products: * Belzona® 1511 (Super HT-Metal) ,
* Belzona® 1591 (Ceramic XHT) ,

Customer Location: Oil Refinery - Tuscaloosa, AL USA
Application Date: February 2008

Problem

Corrosive process fluids and elevated temperatures create an extremely aggressive corrosion rate. If corrosion was not addressed, this vessel would have gone under its minimum wall thickness and forced a shutdown.



Photograph Descriptions

- * Abrasive blasted area ,
- * Repaired area with Belzona® 1511 ,
- * Application of Belzona® 1591 ,
- * Finished application after pinhole testing ,

Application Situation

Amine regeneration tower operating above 250°F in an environment containing hydrogen sulfide and diglycolamine.

Application Method

Belzona® 1511 and Belzona® 1591 were applied in accordance with Belzona Know-How System Leaflet TCC-5.

Belzona Facts

Possible repairs included a Belzona solution or clad welding the affected area. The Belzona solution required less than \$40,000 of product and labor and was completed in three days. The clad welding would have required \$100,000 of product and labor and more importantly 10 days. Because daily lost production costs were \$9,000,000, the Belzona solution saved the refinery over \$63,000,000!

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
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