

# BELZONA SAVES REFINERY MILLIONS

ID: 1039



## 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.

## 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!

## INDUSTRY

Oil & Gas

## LOCATION

Oil Refinery - Tuscaloosa, AL USA

## APPLICATION DATE

February 2008

## PRODUCTS

Belzona 1511 (Super HT-Metal)  
Belzona 1591 (Ceramic XHT)

## SUBSTRATE

Carbon Steel

## PHOTOS

1. Abrasive blasted area
2. Repaired area with Belzona 1511
3. Application of Belzona 1591
4. Finished application after pinhole testing

For more examples of Belzona Know-How in Action, please visit [khia.belzona.com](http://khia.belzona.com)

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