

# Belzona Repairs GTG Synthetic Lube Oil Tanks

ID: 6457

Industry: Oil & Gas  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Stainless Steel  
Products: \* Belzona 1511 (Super HT-Metal),  
\* Belzona 1391T ,

Customer Location: FPSO, Offshore Ghana  
Application Date: January 20th 2017

## Problem

A crack was found on a Stainless Steel LO tank on one of the gas turbine generator sets. The crack ran approximately 5-10cm around a 1" nozzle.



Surface Area Ready for Belzona and Metal Plates



Applying Belzona Compound to Metal Plates



Injecting Belzona Compound to fill Any Gaps Between Plates and Tank



Plates and Belzona Applied to Affected Area; Reading for 2 Hour Curing

## Photograph Descriptions

- \* 1. Surface preparation ,
- \* 2. Belzona 1511 being applied to doubler plates ,
- \* 3. Belzona 1391T being Injected in-between doubler plates and tank ,
- \* 4. Doubler plates bonded onto tank ,

## Application Situation

Lube Oil Tanks onboard an FPSO located offshore.

## Application Method

Application was carried out in accordance with Belzona Know-How system Leaflet TCC-1 and following a client approved Method Statement. A doubler plate was fabricated and sealed in place with Belzona 1511 before Belzona 1391T was injected to cold bond and seal the doubler plate to the tank. This sealed the leak and added extra strength to the tank.

## Belzona Facts

As the facility is hydrocarbon live, hot work was not an option. The Belzona application not only sealed the leak but added extra strength to the tank.

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

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9000 Registered Quality  
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