

BELZONA PROTECTS HIGH TEMPERATURE OIL TANK

ID: 8099



PROBLEM

An oil tank operating at 70°C was corroding internally at the base of the tank due to the separation of water and hydrocarbons. The glass fiber tank was also starting to delaminate in areas underneath the heating pipes at the base of the tank.

APPLICATION SITUATION

Repair and protection of a glass fiber oil tank.

APPLICATION METHOD

This application was carried out in accordance with TCC-05. As this was a glass fiber tank some adhesion testing was carried out prior to the application being carried out. After good results were achieved from the adhesion testing the bottom of the tank and a meter up the internal walls were all blasted as this was where the corrosion was present. Belzona 1161 was used to rebuild areas where the fiber glass had delaminated under the heating pipes and also to reinforce supports beam at the bottom of the tank. A 2 coat system of Belzona 5892 was then applied to prevent future internal corrosion from occurring at the bottom of the tank.

BELZONA FACTS

The Belzona was able to bond well to the Fiber glass substrate and provide long term corrosion protection in immersion at elevated temperatures of 70°C.

INDUSTRY

Oil & Gas

LOCATION

Italy

APPLICATION DATE

2011

PRODUCTS

Belzona 1161 (Super UW-Metal)
Belzona 5892

SUBSTRATE

Glass Fiber

PHOTOS

1. Corrosion and delamination at the base of the tank
2. Belzona 1161 rebuilding
3. Belzona 5892 being applied
4. Finished application

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