

AN UPLIFTING BELZONA SOLUTION

ID: 407

Industry: General Industry
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Carbon Steel
Products: * Belzona® 1111 (Super Metal) ,

Customer Location: Refinery - Brazil
Application Date: August 2003

Problem

An internal environmental regulation within the company made riveted tanks obsolete for storage of crude oil. As such, the plant was in desperate need of moving these tanks before putting them in service as water storage tanks.



Photograph Descriptions

- * View of the metal pad to be bonded against the exterior wall of the tank. ,
- * View of the tanks, each with pads bonded in place, along with the upper support structure installed ,
- * One of the tanks being lifted with a crane ,
- * The tanks were moved 200 meters and 15Km respectively ,

Application Situation

Relocation of two 22-ton riveted storage tanks.

Application Method

Application was carried out in accordance with a modified version of Belzona Know-How System Leaflet TCC-3.

Belzona Facts

The Belzona Technical Consultant, the end-user and an engineering company all became involved in devising the correct procedure with which to move the two tanks. Sixteen metal pads were bonded to each tank. A metal support structure was erected so as to prevent the walls from collapsing. Calculations of the mechanical properties of Belzona® 1111 revealed that by carrying out the application as planned that 420 tons could be supported. This presented a safety margin of approximately 1,170%.

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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