Know-How*in Action*

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AN UPLIFTING BELZONA SOLUTION

CUSTOMER
Refinery - Brazil

APPLICATION DATE
August 2003

APPLICATION SITUATION
Relocation of two 22-ton riveted storage tanks.

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.

PRODUCTS
Belzona® 1111 (Super Metal)

SUBSTRATE
Carbon Steel

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%.

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

1.

2.

3.

4.

For more examples of *Belzona Know-How In Action*, please visit http://khia.belzona.com

ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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