

Belzona® Provides Protection for State-owned Refinery Tower

ID: 8240

Industry: Oil & Gas

Customer Location: State-owned oil refinery plant in Hunan, China

Application: TCC-Tanks and Chemical Containment Areas

Application Date: January, 2016

Substrate: Carbon steel

Products: * Belzona 1391T,
* Belzona 5892,

Problem

This complex tower in an oil refinery plant has been corroded by acid and alkali substances (such as H₂S, SO₂, H₂SO₃, H₂SO₄, NaOH) for a long time, resulting in the failure and cracking of the original coating. The stainless steel bracket inside the tower also appears various degrees of corrosion.



Photograph Descriptions

* 1. Refinery tower; 2. Failed original coating; 3. Coating application completed; 4. Coating remains intact after 1-year service ,

Application Situation

The operating temperature of the refinery tower is between 60 °C and 120 °C.

Application Method

Application carried out in accordance with Belzona Know-How System Leaflet TCC-3.

Belzona Facts

After Belzona coating has been in service for one year within an environment which contains acid and alkali substances (H₂S, SO₂, H₂SO₃, NaOH), according to on-site inspection, the overall surface of the inner coating looks very smooth, showing no leaking, shedding, bulging, cracking or other failure symptoms. Vessels protected with Belzona coating are easy to clean and able to continuously meet the requirements of anti-corrosion design and anti-corrosion protection requirements for the safe operation of the refinery.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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