

BELZONA PROVIDES PROTECTION FOR STATE-OWNED REFINERY TOWER

ID: 8240



PROBLEM

This complex tower in an oil refinery plant has been corroded by acid and alkali substances (such as H_2S , SO_2 , H_2SO_3 , H_2SO_4 , $NaOH$) 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.

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 (H_2S , SO_2 , H_2SO_3 , $NaOH$), 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.

INDUSTRY

Oil & Gas

LOCATION

State-owned oil refinery plant in Hunan, China

APPLICATION DATE

January, 2016

PRODUCTS

Belzona 1391T
Belzona 5892

SUBSTRATE

Carbon steel

PHOTOS

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

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