

END COVER OF CONDENSER RECEIVES BELZONA HT SOLUTION

ID: 5806



PROBLEM

Severe pitting corrosion appeared on the cover after years of operation. The worst pitting is about 10mm deep.

APPLICATION SITUATION

End cover of condenser. Design temperature: 130°C; design pressure 0.1MPa

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet HEX-3. Belzona 1511 was used to rebuild the profile followed by an application of Belzona 1591 as a high temperature protective coating.

BELZONA FACTS

The cover was originally unlined. Belzona's solution prevented the cover from further corrosion, extended the equipment life and eliminated the cost of replacement. After 4 years in service, the coating is in perfect condition.

INDUSTRY

Oil & Gas

LOCATION

Gas Plant, Southeast China

APPLICATION DATE

August 2010

PRODUCTS

Belzona 1511 (Super HT-Metal)
Belzona 1591 (Ceramic XHT)

SUBSTRATE

Carbon Steel

PHOTOS

1. The internal surface before application
2. Severe pitting damage
3. Completed application
4. The coating after 4 years shows no sign of further corrosion

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