

# END COVER OF CONDENSER RECEIVES BELZONA HT SOLUTION

ID: 5806

**Industry:** Oil & Gas  
**Application:** HEX-Heat Exchangers  
**Substrate:** Carbon Steel  
**Products:** \* Belzona 1511 (Super HT-Metal) ,  
 \* Belzona 1591 (Ceramic XHT) ,

**Customer Location:** Gas Plant, Southeast China  
**Application Date:** August 2010

## Problem

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



## Photograph Descriptions

- \* The internal surface before application ,
- \* Severe pitting damage ,
- \* Completed application ,
- \* The coating after 4 years shows no sign of further corrosion ,

## 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.

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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