

# BELZONA® 1591 PROTECTS HEAT EXCHANGERS

ID: 108

Industry: Oil & Gas  
Application: HEX-Heat Exchangers  
Substrate: Steel  
Products: \* Belzona® 1591 ,

Customer Location: Oil Refinery in Oman  
Application Date: January 1999

## Problem

*Severe erosion-corrosion of the tube sheet and end cover caused by the hot Hydrocarbon mixture.*



## Photograph Descriptions

- \* The degree of erosion clearly evident on the end cover ,
- \* Application of Belzona® 1591 underway ,
- \* Application to tube sheet completed. End cover awaiting coating. ,

## Application Situation

Heat exchanger designed to operate up to 150°C (300°F)

## Application Method

Application was carried out in accordance with Belzona System Leaflet HEX-1

## Belzona Facts

The Belzona® 1591 was the only coating known to withstand the erosion-corrosion at the high temperatures involved. Three further units have since been treated.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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