

BELZONA SEALS HOLED HEAT EXCHANGER

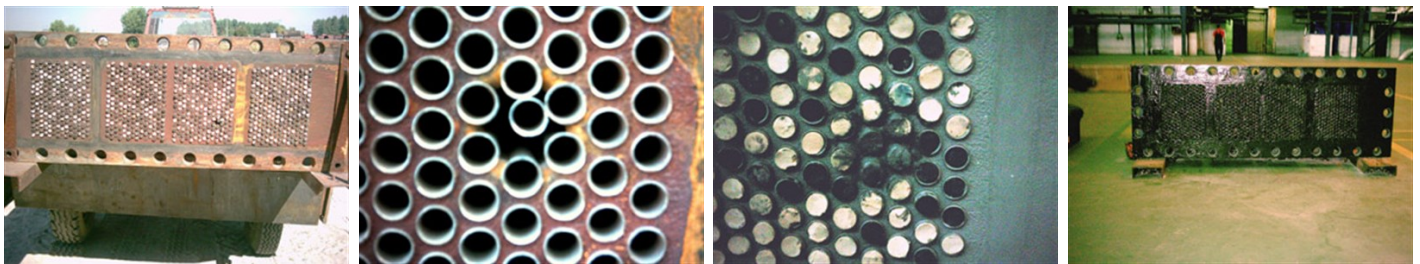
ID: 596

Industry: Power
Application: HEX-Heat Exchangers
Substrate: Steel & Copper
Products: * Belzona® 1311 (Ceramic R-Metal) ,
* Belzona® 1591 (Ceramic XHT-Metal) ,

Customer Location: Coal-fired Power Plant - Macedonia
Application Date: August 2003

Problem

Hole in a tube sheet due to erosion and galvanic corrosion between copper tubes and steel tube sheet.



Photograph Descriptions

- * Preparing the heat exchanger for blasting ,
- * The hole in the tube sheet is evident ,
- * The hole is filled with Belzona® 1311 ,
- * The heat exchanger surface coated with Belzona® 1591 ,

Application Situation

Heat exchanger operating at 90°C

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets HEX-1 and HEX-3.

Belzona Facts

Customer chose this method because alternative was to cut the tubes and replace the tube sheet which is more difficult and needs much more time. Replacement of the tube sheet costs about 8,000EUR. Belzona have done this job for 1,050EUR and completed in two days. Two further much bigger heat exchangers 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.

www.belzona.com


BELZONA®
Repair • Protect • Improve