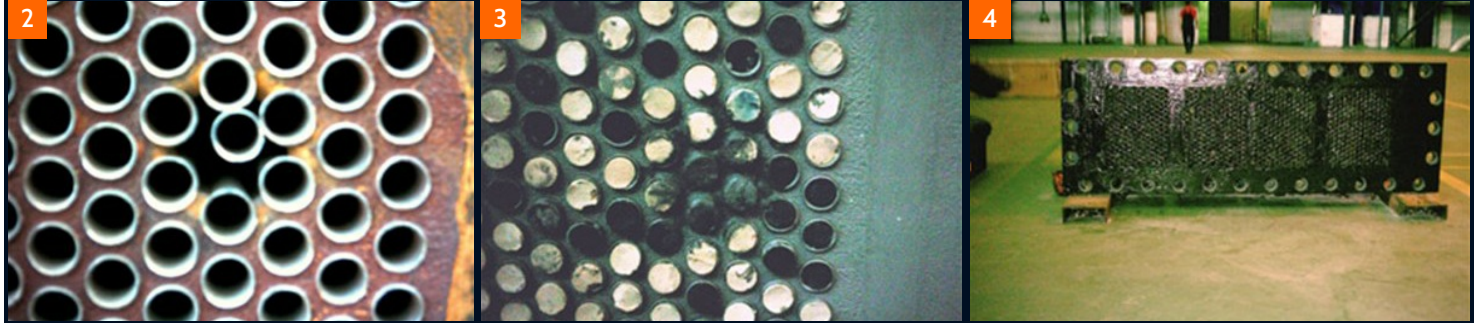


BELZONA SEALS HOLED HEAT EXCHANGER

ID: 596



PROBLEM

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

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.

INDUSTRY

Power

LOCATION

Coal-fired Power Plant - Macedonia

APPLICATION DATE

August 2003

PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1591 (Ceramic XHT-Metal)

SUBSTRATE

Steel & Copper

PHOTOS

1. Preparing the heat exchanger for blasting
2. The hole in the tube sheet is evident
3. The hole is filled with Belzona 1311
4. The heat exchanger surface coated with Belzona 1591

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

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