

BELZONA REPAIRS LEAKING HEAT EXCHANGER TUBE SHEETS

CUSTOMER

Maritime repair agent, Bulgaria

APPLICATION DATE

December, 2010

APPLICATION SITUATION

Various oil & air coolers of marine vessel

PROBLEM

Severe erosion and galvanic corrosion between copper tubes and steel tube sheet.

PRODUCTS

Belzona® 1311 (Ceramic R-Metal)

Belzona® 1321 (Ceramic S-Metal)

SUBSTRATE

Steel & Copper

APPLICATION METHOD

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

BELZONA FACTS

Customer chose the Belzona method because alternatives were either expensive replacement of the equipment or time consuming machining repair to replace the tube sheets. The repair with Belzona was completed in three days and almost ten times lower in cost than replacement.

PICTURES

1. The severe damage clearly evident
2. After grit blasting, the eroded tube sheet was rebuilt with Belzona® 1311
3. The coolers after application of Belzona® 1321
4. Further air coolers were also repaired



For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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