

BELZONA REPAIRS OIL COOLERS

CUSTOMER

Ferronickel plant, Macedonia

APPLICATION DATE

August 2012

APPLICATION SITUATION

Four heat exchangers for cooling mill oil.

PROBLEM

Heat exchangers were suffering from electrochemical corrosion. Gaps occurred between the tube sheet and tubes, causing cooling water to mix with oil.

PRODUCTS

Belzona® 1311 (Ceramic R Metal)

Belzona® 1391 (Ceramic HT)

SUBSTRATE

Brass, copper and gray iron.

APPLICATION METHOD

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

BELZONA FACTS

The customer first tried to weld the tubesheets, but was not successful. After completing repairs with Belzona the customer was very satisfied and this year a further cooler has been repaired.

PICTURES

1. Heat exchanger ready for grit blasting
2. The condition of end cover after blasting
3. End cover repaired with Belzona 1311 and protected with Belzona 1391
4. Tube sheet repaired and protected



1.



2.



3.



4.

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



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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