BELZONA REPAIRS AND PROTECTS CORRODED SHELL

ID: 566

Industry: Chemical & Petrochemical Customer Location: Petrochemical facility, Egypt

Application: HEX-Heat Exchangers Application Date: January 2004

Substrate: Carbon steel

Products: * Belzona® Marine Metal,

* Belzona® 1321 (Ceramic S-Metal),

Problem

Shell and dished end were highly corroded due to chemical attack that resulted in critical wall thickness reduction in the shell.









Photograph Descriptions

- * General view of the shell and cover.,
- * The corroded surface inside the shell.,
- * Forming the applied Belzona® Marine Metal.,
- * Belzona® Marine Metal rebuild successfully completed. Belzona® 1321 applied to provide overall corrosion protection.,

Application Situation

Heat exchanger shell

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets HEX-2 and HEX-3. Belzona® Marine Metal was used to restore the original dimensions then Belzona® 1321 was used to protect the restored area from any further corrosion.

Belzona Facts

Repair completed quickly and safely, thickness of the shell was restored to the original dimensions with no heat and no special tools. As measured weekly, the vessel stopped losing wall thickness, resisting chemical attack and still in excellent condition.

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

ISO 9001:2015 Belzona products are
FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

BELZONA®
Repair • Protect • Improve