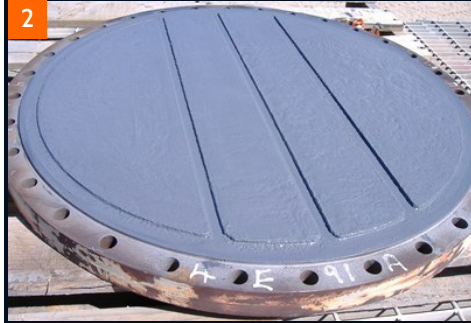


BELZONA SAVES REFINERY \$50,000

ID: 1013



PROBLEM

Galvanic corrosion and erosion resulting in loss of thickness and gasket sealing surfaces. This allows for working fluid to bypass portions of the multi-pass exchanger thereby greatly decreasing the efficiency of the heat exchanger.

APPLICATION SITUATION

Multiple heat exchanger components severely damaged by erosion/corrosion.

APPLICATION METHOD

Belzona® 1111 and Belzona® 1321 were applied in accordance with Belzona Know-How System Leaflet HEX-2.

BELZONA FACTS

Conventional repair involves weld build up followed by the machining of new gasket surfaces at a cost of \$2,500-\$5,000 per dollar plate. The Belzona solution costs less than half of the conventional repair. This results in cost savings of more than \$50,000 per unit turnaround.

INDUSTRY

Fluid Flow

LOCATION

Refinery - Sweeny, Texas USA

APPLICATION DATE

January 2003 and January 2008

PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Carbon Steel

PHOTOS

1. Heat exchanger dollar plate prior to repair
2. Heat exchanger dollar plate after repair and coating
3. Heat exchanger after five years in service
4. Heat exchanger channel head after five years in service

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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