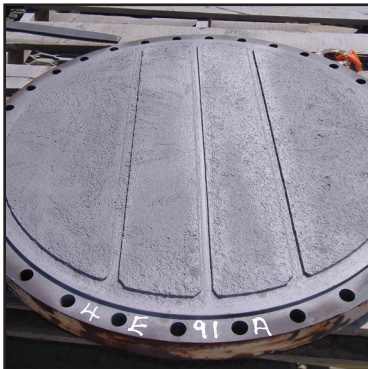
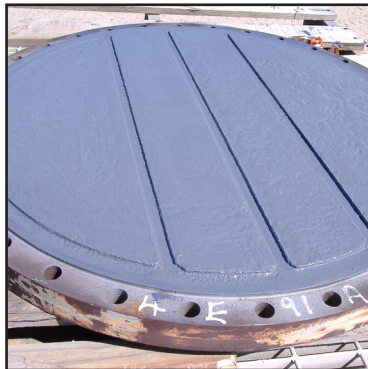


Belzona Saves Refinery \$50,000



Heat exchanger dollar plate prior to repair



Heat exchanger dollar plate after repair and coating



Heat exchanger after five years in service



Heat exchanger channel head after five years in service

STATISTICS

CUSTOMER

Refinery-Sweeny,
Texas USA

APPLICATION DATE

February 2005

SUBSTRATE

Carbon Steel

PRODUCTS

Belzona® 1111
Belzona® 1321

APPLICATION SITUATION

Multiple heat exchanger components severely damaged by erosion/corrosion.

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 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.