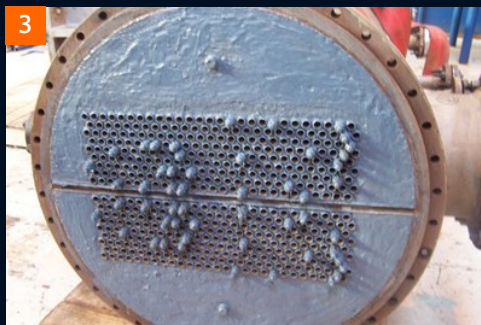


BELZONA TAKES THE HEAT IN EXCHANGERS

ID: 6072



PROBLEM

The brine heat exchangers operate at up to 138°C and are prone to rapid corrosion. The water box, separator channels and tube face had all suffered extreme corrosion and the separator plate was being bypassed.

APPLICATION SITUATION

Brine Heat Exchanger

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets HEX-1, HEX-2 and HEX-3.

BELZONA FACTS

The customer had tried several materials previously on these heat exchangers and because of the severely corrosive and elevated temperature service conditions, none had lasted more than a year or two. Belzona 1593 is designed for permanent immersion conditions up to 160°C and so it was the ideal coating to protect all parts of this asset.

INDUSTRY

Chemical & Petrochemical

LOCATION

Petrochemical Plant, Teesside, UK

APPLICATION DATE

2016

PRODUCTS

Belzona 1511 (Super HT-Metal)
Belzona 1593

SUBSTRATE

Carbon Steel

PHOTOS

1. Condition 1 year after previous coating was applied.
2. Damage and failure close up.
3. Tube face separator channels rebuilt.
4. Protected heat exchanger being reassembled.

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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