

BELZONA RE-FORMS WARPED FLANGES FOR DECADES

ID: 388



PROBLEM

A liquor regenerating heat exchanger ran dry, with the steam left on. This warped the upper and lower heads and shell flanges so badly that they wouldn't seat.

APPLICATION SITUATION

Distorted flanges on heat exchanger.

APPLICATION METHOD

The application was carried out in accordance with Belzona® Know-How System Leaflet GSS-8.

BELZONA FACTS

The application saved the customer over \$150,000, in 1980! The alternative was to perform in place machining of the 15 foot diameter flange faces and mating surfaces. With mating surfaces restored the heat exchanger has operated for decades.

INDUSTRY

General Industry

LOCATION

Aluminum and chemical company in Grammarcy, Louisiana U.S.A.

APPLICATION DATE

1980

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 9411 (Release Agent)

SUBSTRATE

Carbon Steel

PHOTOS

1. Application of Belzona 1111 in progress.
2. Upper head being hoisted into place to re-form the distorted flange.
3. After upper head was lowered excess material was removed prior to cure.
4. Flange face rebuilt.

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

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