

# BELZONA REFURBISHES RAW JUICE HEATER

ID: 11

Industry: Sugar  
Application: HEX-Heat Exchangers  
Substrate: Cast Iron  
Products: \* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 1321 (Ceramic S-Metal) ,

Customer Location: Sugar Cane Mill in Australia  
Application Date: 1997

## Problem

Erosion/corrosion of around tubes on tube sheet surface. Operation of heater proved ineffective and presented a safety hazard.



## Photograph Descriptions

- \* Juice heater. ,
- \* Erosion around tubes. ,
- \* Forming technique used to rebuild and seal around tubes. ,
- \* View of tube sheet surface after one year in service. ,

## Application Situation

Raw sugar juice heater

## Application Method

The application was carried out in accordance with Belzona Know-How Leaflet HEX-1.

## Belzona Facts

The Belzona repair eliminated the need for machining, which would have been both time consuming and costly.

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

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**  
Repair • Protect • Improve