

# Belzona Helps Rebuild End Cooler Headers

ID: 7746

Industry: Fluid Flow  
Application: CEP-Centrifugal Pumps  
Substrate: Cast Iron  
Products: \* Belzona 1511 (Super HT-Metal) ,

Customer Location: Ontario, Canada  
Application Date: July 2018

## Problem

Severe pitting, corrosion appeared on the covers after years of operation. The worst of the pitting was about 8mm deep



## Photograph Descriptions

- \* 1. Internal surface before application ,
- \* 2. Internal surface showing severe pitting & corrosion damage ,
- \* 3. Belzona 1511 application, the product is being applied ,
- \* 4. Completed application ,

## Application Situation

End cooler headers of a tube sheet. Design temperature: 200F

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-5 & FBC-5. Belzona 1511 was used to rebuild the entire profile of the inside of the cooler heads.

## Belzona Facts

The water collectors originally had no lining and were severely damaged after years of service. The Belzona solution restored the equipment thickness, preventing future corrosion and extending the useful life of the equipment. Manufacturing replacement heads would take over a year; however, with the use of Belzona they repaired the equipment and returned to service after a couple

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.

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Repair • Protect • Improve

of weeks avoiding prolonged downtime.

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