

# Impeller Refurbishment Completed by Belzona

ID: 8272

Industry: Fluid Flow

Customer Location: Pump Engineering Company, Yorkshire, UK

Application: CEP-Centrifugal Pumps

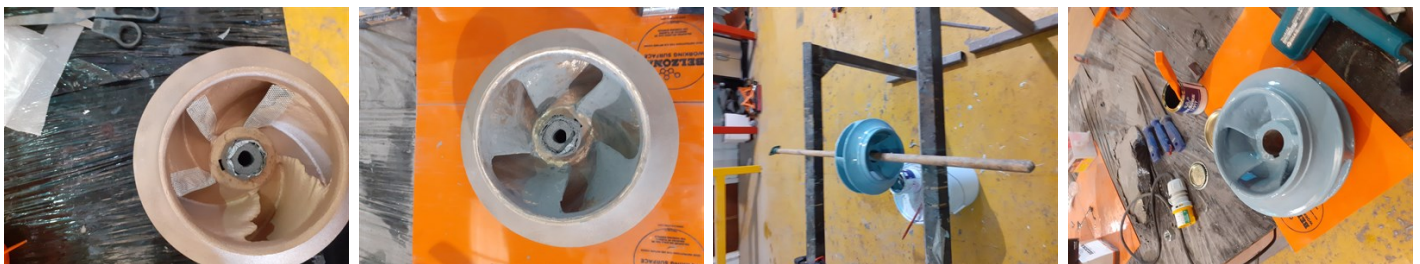
Application Date: January 2020

Substrate: Non-Ferrous Metal

Products: \* Belzona 1111 (Super Metal) ,  
\* Belzona 1391T ,

## Problem

The impeller had eroded over time and now required re-profiling and a protective coating to protect the surface from the potential erosion in the future.



## Photograph Descriptions

- \* Rebuild in progress to blasted impeller ,
- \* Impeller rebuild completed ,
- \* First coat of Belzona 1391T completed ,
- \* Completed Belzona repair and protection application ,

## Application Situation

Eroded pump impeller.

## Application Method

The substrate was prepared by conventional grit blasting to a minimum surface profile of 75µm and a surface cleanliness of SA 2½. The damaged areas were then rebuilt and re-profiled back to original using Belzona 1111 . Once rebuilt, two coats of our Belzona 1391T were applied in accordance with Belzona Know-How System leaflet CEP-03.

## Belzona Facts

The refurbishment was completed in one day by applications team Belzona. They were the first choice for this repair application due to their strategically situated workshops across the UK, direct access to Belzona materials and a highly trained team of

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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Applicators and Coating Inspectors.

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