

# Multistage pump gets the Belzona treatment

ID: 7751

Industry: Fluid Flow  
Application: CEP-Centrifugal Pumps  
Substrate: Carbon Steel  
Products: \* Belzona 1111 (Super Metal) ,  
\* Belzona 5821 ,

Customer Location: South Africa  
Application Date: July 2018

## Problem

*During routine maintenance some signs of mild impingement erosion and corrosion, leading a small amount of wall loss, was identified.*



## Photograph Descriptions

\* 1 - Damaged Pump prior to application 2 - Repaired and coated casing 3 - Repaired and coated end cover 4 - Completed application ready for re-assembly ,

## Application Situation

Multistage boiler feed water pump processes operating at high pressure and flow velocity.

## Application Method

Application was carried out in accordance with System Leaflets CEP-05 and CEP-03.

## Belzona Facts

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

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The customer requested a coating to reduce overall maintenance requirements and increase time between routine shutdowns. A number of coatings were considered, but Belzona 5821 gave the best balance between cost and performance for the light erosion resistance required. Re-building was required prior to the application of the coating. Instead of conventional weld repair Belzona 1111 was selected due to ease of application (no machining required) and compatibility with the Belzona coating.

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