

# BELZONA KEEPS THE FLOW GOING

ID: 6088

**Industry:** General Industry  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Cast iron  
**Products:** \* Belzona 1111 (Super Metal) ,  
\* Belzona 1341 (Supermetalgilde) ,

**Customer Location:** Tire Manufacturer, Czech Republic  
**Application Date:** March 2015

## Problem

Impeller vanes on water pumps had been damaged by cavitation erosion corrosion, leading to reduced efficiency.



## Photograph Descriptions

- \* The damaged impeller ,
- \* Surface profile being restored with Belzona 1111 ,
- \* Impellers finished with Belzona 1341 ,

## Application Situation

Pumps from cooling water system

## Application Method

Application was carried out in accordance with Belzona Know-How System leaflet CEP-10. Original profiles were restored with Belzona 1111 before applying two coats of Belzona 1341 to provide future erosion corrosion protection to the impellers.

## Belzona Facts

The application of Belzona 1111 restored the original surface profile, allowing the client to avoid the expense of a total part replacement. The Belzona 1341 then added a layer of protection, preventing the recurrence of cavitation or corrosion damage and simultaneously improving flow rates thanks to the smooth surface.

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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