

# BELZONA RESEATS WEAR RINGS WITHOUT MACHINING

ID: 1341

Industry: Water / Wastewater  
Application: CEP-Centrifugal Pumps  
Substrate: Cast Iron  
Products: \* Belzona® 1121 (Super XL Metal) ,

Customer Location: Water treatment plant, Canada  
Application Date: March 2006

## Problem

Erosion of wear ring seats caused vibration to the pump which needed repairs on site.



## Photograph Descriptions

- \* The wear ring seat ,
- \* Release Agent applied to wear rings assembled on impellor ,
- \* Surface preparation underway ,
- \* Final result: no machining required ,

## Application Situation

Wear rings of a Worthington pump needed repairs on site.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet CEP-2. The wear rings were located on the rotating element and used as former for the seats.

## Belzona Facts

Belzona® 1121 allowed rebuilding of the wear ring seats to the original profile without machining. Belzona® 1121 is solvent free and does not shrink during cure allowing exact forming of the seat. Also being an insulator Belzona® 1121 eliminates any future galvanic corrosion.

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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9000 Registered Quality  
Management System.

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