

# BELZONA REPAIRS RBC SHAFT

ID: 759

Industry: *Water / Wastewater*

Customer Location: *Waste Water Treatment Plant,  
Oklahoma USA*

Application: *MPT-Mechanical Power Transmission*

Application Date: *December, 2005*

Substrate: *Steel*

Products: *\* Belzona® 1111 (Supermetal),*

## Problem

*The bearing failed, damaging the shaft.*



## Photograph Descriptions

- \* Damaged shaft ,
- \* Shaft prepared and ready for Belzona ,
- \* After curing former removed and extrusions filed down ,
- \* The RBC is resealed and back in service ,

## Application Situation

RBC (Rotating Biological Contactor) shaft.

## Application Method

Application carried out in accordance with Belzona Know-How System Leaflet MPT-2.

## Belzona Facts

Alternative repair would be to dry the RBC out over a 3 week period, remove all the media, then call in a machinist to repair the shaft before reinstalling the RBC and media. Very time consuming and expensive. The repair was done using about \$150 worth of Belzona in one day. Application was well over two years old when checked in March, 2008. Four other RBC shafts have been repaired in this plant in the same way since then.

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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