

# SHAFT REPAIR AT WASTE WATER PLANT

ID: 4904

Industry: *Water / Wastewater*  
Application: *MPT-Mechanical Power Transmission*

Customer Location: *Leamington, Ontario, Canada*  
Application Date: *April 2013*

Substrate: *Steel*  
Products: *\* Belzona 1111 (Super Metal) ,*  
*\* Belzona 9411 (Release Agent) ,*

## Problem

*Shaft became worn due to bearing failure*



## Photograph Descriptions

- \* Shaft prior to the application ,
- \* Application in process ,
- \* Application with formers ,
- \* Formers removed and application completed ,

## Application Situation

Damaged shaft at a waste water plant

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet MPT-2. Damaged area was prepared with a grinder to make the surface rough and ready for the application. The surface of the formers were treated with Belzona 9411, applied in 2 coats in accordance with the Belzona Instructions For Use. Belzona 1111 was applied to the shaft and the formers. Then the formers were attach to the shaft allowing the Belzona 1111 to cure in accordance with the Belzona Instructions For Use. A suitable emery cloth/crocus paper was used to complete the application.

## Belzona Facts

Belzona 1111 will not corrode and is resistant to a wide range of chemicals. The Belzona 1111 also has a high mechanical strength

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  
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**BELZONA**  
Repair • Protect • Improve

and exceptional heat resistance. Repairing shafts using forming technique provides a smoother finish than machining and more importantly can avoid the need to dismantle and remove the plant equipment from its location.

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