

# Belzona Rebuilds a Damaged Bearing Housing

ID: 6321

Industry: *General Industry*  
Application: *MPT-Mechanical Power Transmission*

Customer Location: *British Columbia, Canada*  
Application Date: *March 2015*

Substrate: *Cast Iron*  
Products: *\* Belzona 1111 (Super Metal) ,*

## Problem

*Bearing had seized due to the lack of lubrication. This caused it to spin loose and erode away the metal on the bottom of the housing*



## Photograph Descriptions

- \* The bearing housing had worn oversize because of lacking of lubrication. The eroded area was prepared by using a Bristle Blaster ,
- \* The worn area was rebuilt with a thin layer of Belzona 1111 ,
- \* A new housing was pressed into place and the Belzona material allowed to set up before the component was reinstalled. ,

## Application Situation

A bearing housing.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet MPT-7. The damaged areas were cleaned using a bristle blaster. Then the repair areas were rebuilt with Belzona 1111. A new housing were inserted into place.

## Belzona Facts

Rebuilding the housing in this manner allowed the plant to use the existing housing and stock bearing, eliminating the need to machine the housing to oversize the procure a new bearing set.

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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