

# BELZONA TRUNNION BEARING HOUSING REPAIR SAVES MONEY

ID: 1503

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

Customer Location: *Steel mill, Missouri*  
Application Date: *Summer 2010*

Substrate: *Steel*  
Products: *\* Belzona® 1311 (Ceramic R Metal) ,*

## Problem

*Bearing housing had allowed particulates to pass into housing and caused significant wear. Rod Mill downtime costs 20k per hour.*



## Photograph Descriptions

\* Overview of Rod Mill Close up of worn housing Applying the Belzona® 1311 Final repair ,

## Application Situation

Rod Mill trunion bearing housing had significant wear and insufficient downtime for traditional weld/machining repair.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet MPT-2. Housing was heated with torch to sweat out oils. The substrate was then blasted to a 2-3 mil profile. Application of the Belzona® 1311 followed to rebuild housing back to OEM specification.

## Belzona Facts

Welding and Machining would have taken 7-10 days and the cost was \$40-60k not including downtime of the mill. Belzona application took 8 hours start to finish and at a significantly lower cost.

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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