

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 trunnion 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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com


BELZONA
Repair • Protect • Improve