

Mine locomotive axle repair

ID: 2457

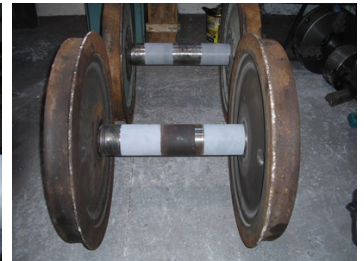
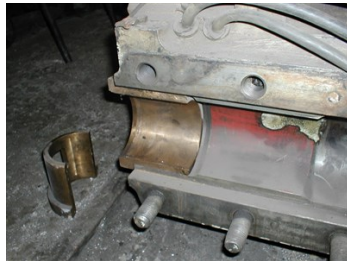
Industry: Mining & Quarrying
Application: MPT-Mechanical Power Transmission

Customer Location: Brown coal Mine plant, Slovakia
Application Date: 2005

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

Problem

Failure of the shaft



Photograph Descriptions

- * 1. Mine locomotive ,
- * 2. Failure bearing ,
- * 3. Repair in progress ,
- * 4. Renovated axle ,

Application Situation

Due the slide assembly wear of shaft axle in bronze bearing the shaft unloading appeared. Direct mark of this failure is big noise level.

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet MPT-1. Shaft was turned down and left with coarse thread before being rebuilt with Belzona 1311 followed by machining back to original diameter.

Belzona Facts

First repair in 2005 was done, still working. From that year had been several of these repairs completed.

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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