

# BELZONA REPAIRS ROAD ROLLER'S SHAFT

ID: 5225

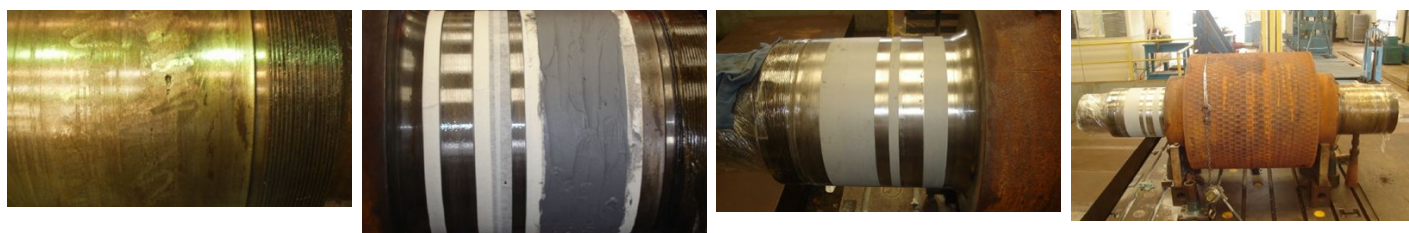
Industry: Mining & Quarrying  
Application: MPT-Mechanical Power Transmission

Customer Location: Mine, SE, Brazil  
Application Date: June, 2006

Substrate: Carbon steel  
Products: \* Belzona 1111 (Super Metal) ,

## Problem

The shaft of a road roller presented wear with thickness loss at the bearing seat area, which was probably caused by occasional seizure. It was necessary to repair this area with a product that had excellent mechanical strength so that the part could return to normal operation. Operating conditions: Temperature < 93°C (immersion); 200°C (dry).



## Photograph Descriptions

- \* Worn shaft before the repair ,
- \* Application of Belzona 1111 ,
- \* Shaft after the repair and machining ,
- \* General view of the equipment after repair and machining ,

## Application Situation

Road roller's shaft.

## Application Method

Repair was carried out in accordance with Belzona Know How System Leaflet MPT-1. Surface preparation was obtained by machining, leaving the affected area with a coarse and rough thread profile. Afterwards, cleaning was carried out with a degreaser. Belzona 1111 was applied on the prepared area, and the excess was removed by machining, thus obtaining the required dimensions. Equipment dimensions: weight: approximately 8.5 tons. Diameter: 440 mm. Recovered width: 200 mm.

## Belzona Facts

Belzona technology offered a fast return to operation.

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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