

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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