

BELZONA REPAIRS ROAD ROLLER'S SHAFT

ID: 5225



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).

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.

INDUSTRY

Mining & Quarrying

LOCATION

Mine, SE, Brazil

APPLICATION DATE

June, 2006

PRODUCTS

Belzona 1111 (Super Metal)

SUBSTRATE

Carbon steel

PHOTOS

1. Worn shaft before the repair
2. Application of Belzona 1111
3. Shaft after the repair and machining
4. General view of the equipment after repair and machining

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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