

BELZONA REPAIRS AND COATS PUMP CASE

ID: 5228



PROBLEM

The equipment presented minor wear due to localized corrosion on the casing. It was necessary to restore the worn areas and apply a lining with excellent corrosion and high temperature resistance. The fluid consists of a caustic soda solution with few solids at a temperature of 81° C. Speed rotation: 1789 rpm.

APPLICATION SITUATION

Pump case.

APPLICATION METHOD

The repair and coating were carried out in accordance with Belzona Know-How System Leaflets CEP -3 & CEP-5. The surface was prepared by dry abrasive blasting at near white metal. After the surface preparation, Belzona 1311 was applied to rebuild the casing and Belzona 1111 was applied on the ring seating. After that, a single coat of Belzona 1391 was applied with a 600 to 750 µm thickness on the entire internal surface of the casing.

BELZONA FACTS

Belzona offered efficient repair and coating to pumps without the risk of distortion. Belzona 1391 offered excellent protection operating at 81°C.

INDUSTRY

Mining & Quarrying

LOCATION

Mine, Brazil

APPLICATION DATE

May 2006

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 1311 (Ceramic R-Metal)
Belzona 1391 (Ceramic HT)

SUBSTRATE

Cast Iron

PHOTOS

1. Equipment assembled before the repair
2. Case refurbishment with Belzona 1111
3. Case refurbishment concluded with Belzona 1111
4. Service concluded, case lined with Belzona 1391

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

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