

Vacuum Drum Pivots Repaired with Belzona

ID: 7605

Industry: General Industry
Application: MPT-Mechanical Power Transmission
Substrate: Steel
Products: Belzona® 1111 (Super Metal)

Customer Location: Cellulose producer, Slovakia
Application Date: 2016

Problem

After long time in service the pivot/shaft had become badly worn aggravated by corrosion.



Photograph Descriptions

1. Damaged pivot
2. Cleaning and preparing
3. Belzona® 1111 after application
4. Belzona® 1111 (after 3 years and bronze break down) still on the place

Application Situation

Vacuum drying drum used in cellulose production.

Application Method

Application was carried out in accordance with Instructions for use. Hand portable lathe was used to machine the pivot.

Belzona Facts

Welding would have taken a long time with risk of the bending/structural distortion. Belzona solution is corrosion resistant and quickly and accurately restored original dimensions. In the year 2019, after 3 years production, company needed to repair it. This is a sliding bearing with bronze seating. They acknowledged a mistake; they forgot about lubrication for some time... When we arrived to see it, Belzona® 1111 was still in place, but not bronze seating. It was enough to apply a thin layer of Belzona® 1111 and change the bronze bearing.

For more examples of Belzona Know - How In Action, please visit: <https://khia.belzona.com>

ISO 9001:2015
Q.09335
ISO 14001:2015
EMS 509612

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