

Turbine Restored and Protected with Belzona

ID: 8071

Industry: *Mining & Quarrying*
Application: *FBC-Fans, Blowers and Compressors*

Customer Location: *Portugal*
Application Date: *2015*

Substrate: *Steel*
Products: ** Belzona 1311 (Bearing Metal),*
** Belzona 1331,*

Problem

General erosion-corrosion on the turbine of a blower used as part of copper mining process. The erosion had caused a loss of material which could result in balancing issues.



Photograph Descriptions

- * 1. Overview of the blower ,
- * 2. Eroded-corrode turbine ,
- * 3. Belzona 1331 being applied to the turbine ,
- * 4. blower back in service ,

Application Situation

Repair of a turbine suffering from corrosion and erosion.

Application Method

Application carried out in accordance with Belzona Know-How System leaflet FBC-01 & FBC-02. The turbine was grit blasted down to SA 2.5 and then the lost structure was rebuilt with Belzona 1311. Finally 2 coats of Belzona 1331 was applied to prevent further corrosion-erosion.

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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BELZONA
Repair • Protect • Improve

Belzona Facts

The cold applied Belzona solution was a fraction of the cost of having to replace the whole turbine and offered a quick return to service for the customer.

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