

TURBINE RESTORED AND PROTECTED WITH BELZONA

CUSTOMER

Portugal

APPLICATION DATE

2015

APPLICATION SITUATION

Repair of a turbine suffering from corrosion and erosion.

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.

PRODUCTS

Belzona 1311 (Bearing Metal)

Belzona 1331

SUBSTRATE

Steel

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 were applied to prevent further corrosion-erosion.

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.

PICTURES

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



1.



2.



3.



4.

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



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