

Belzona® Repairs worn out fan shaft due to abrasion and bearing seizure

ID: 7875

Industry: *General Industry*
Application: *MPT-Mechanical Power Transmission*

Customer Location: *Egypt*
Application Date: *March 2012*

Substrate: *Steel*
Products: ** Belzona 1111 (Super Metal) ,*
** Belzona 9411 (Release Agent) ,*

Problem

Deeply worn out due to abrasion in Fan shaft due to abrasion and bearing seizure.



Photograph Descriptions

- * 1. General view of the Fan shaft. ,
- * 2. Wear area in Fan shaft. ,
- * 3. Fabricated former to get the required dimensions. ,
- * 4. Application Done. ,

Application Situation

Fan shaft

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet MPT-2 for rebuilding damaged shafts using forming techniques. The area was prepared using a disk grinder to roughen the surface and to make a cross-hatching pattern on the surface. A coat of Belzona 9411 was applied to the inside of the formers, and the edges where material will be pushed out. Belzona 1111 was applied to the shaft and covered the entire area using a brush and the mixing spatula to apply the product. Also, the inside of the formers were covered and evenly spread. The formers were clamped to the shaft. Once Belzona 1111 had cured the former was removed.

Belzona Facts

This shaft forming process saves the customer thousands of pounds in removal and replacement costs. The durable, proven solution provides an immediate solution, avoiding lengthily downtime.

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

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9000 Registered Quality
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