

BELZONA® REPAIRS WORN OUT FAN SHAFT DUE TO ABRASION AND BEARING SEIZURE

CUSTOMER
Egypt

APPLICATION DATE
Mar-12

APPLICATION SITUATION
Fan shaft

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

PRODUCTS
Belzona 1111 (Super Metal)
Belzona 9411 (Release Agent)

SUBSTRATE
Steel

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.

PICTURES

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



1.



2.



3.



4.

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

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