

# BELZONA REPAIRS AIR HANDLING EQUIPMENT

ID: 5322

Industry: Heating, Ventilation & Air Conditioning  
Application: MPT-Mechanical Power Transmission

Customer Location: Missouri, USA  
Application Date: July 2006

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

## Problem

One of the bearings on this office building's air handler system failed and severely gouged into the fan's shaft. The cooling system was nearly crippled with a triple digit, Midwest July heat.



## Photograph Descriptions

- \* Air handler fan threw a bearing in the early a.m.; building without conditioned air for over 12 hours. ,
- \* Customer secured the shaft for early a.m. repair. ,
- \* Belzona repair completed before 6:00 a.m. ,
- \* Completed application of shaft and ready to return to service that morning. ,

## Application Situation

Bearing seized for air handling equipment.

## Application Method

The shaft was supported and the pillow block was removed, exposing the damaged area. A suitable former was treated with Belzona 9411 and the bearing surface was roughened and degreased. Belzona 1111 was mixed and applied, then the form was clamped in place. After a short cure, a new bearing was installed and the air handler was placed back on-line. The application was carried out in accordance with Belzona Know-How System Leaflet MPT-2.

## Belzona Facts

The bearing seized after business hours the night before. The maintenance staff knew about Belzona's emergency shaft repair so

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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**  
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they called the local Belzona Distributor/Consultant for a repair the next morning.

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