BELZONA REDUCES DOWNTIME WITH SHAFT REPAIR

Industry: *General Industry*

Application: *FBC-Fans, Blowers and Compressors*

Customer Location: *Toronto, ON, Canada*

Application Date: *July 2014*

Substrate: *Steel*

Products:
* *Belzona 1111 (Super Metal) ,*
* *Belzona 9111 (Cleaner Degreaser) ,*
* *Belzona 9411 (Release Agent) ,*

Problem
Bearing failure caused severe scoring to shaft.

Photograph Descriptions

* Prior to application ,
* Preparation in process ,
* Completed application ,
* Completed application in service ,

Application Situation
Bearing shaft.

Application Method
The application was carried out in accordance with Belzona Know-How System Leaflet FBC-13 for repairing shafts by forming techniques. The surface was prepared by mechanical grinding and cleaning with Belzona 9111 to remove all residue. The former's interior was prepared with Belzona 9411. Belzona 1111 was applied to the shaft and former, and the former was installed on the

shaft. After curing, the former was removed and the shaft was checked for fit tolerance.

Belzona Facts

Belzona 1111 is a two-component repair composite based on a ceramic steel reinforced polymer system. Belzona 1111 drastically cuts downtime, reduces the need for spare parts, can be applied without the need for specialist tools, will not corrode and is resistant to a wide range of chemicals.