BELZONA TECHNOLOGY REPAIRS SHAFT

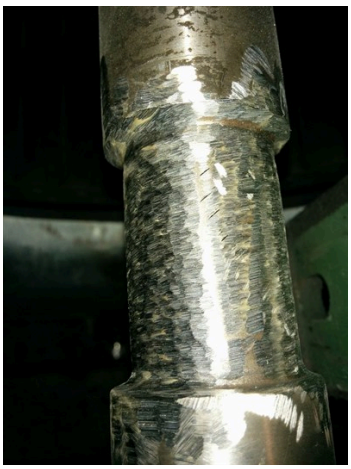
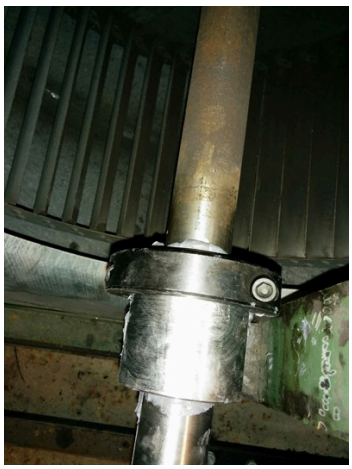
ID: 5804

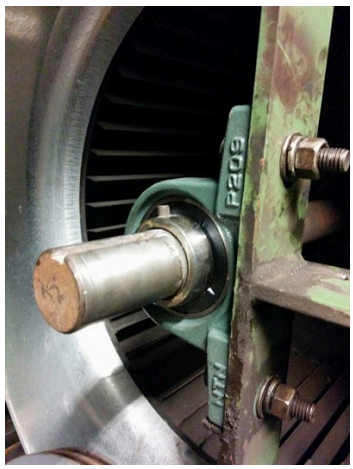
Industry: *General Industry*
Application: *MPT-Mechanical Power Transmission*

Customer Location: *Toronto, ON, Canada*
Application Date: *July 2015*

Substrate: *Steel*
Products: ** Belzona 1212 ,*
** Belzona 9411 (Release Agent) ,*

Problem
Poor lubrication and wear to the bearing caused it to gouge out material from the pulley shaft.



Photograph Descriptions

* Preparation complete ,
* Application in progress ,
* Completed application ,
* Shaft back in service ,

Application Situation

The shaft was on an air handling equipment that was used primarily to circulate the air through the common hallways. The equipment was in the lower level of the building.

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 for application using a grinder to roughen the surface. Belzona 9411 was applied to the former in accordance with appropriate Belzona Instructions For Use. Belzona 1212 was applied onto the shaft and former, then the

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former was attached to the shaft, allowing Belzona 1212 to cure. Once Belzona 1212 cured, the former was removed and the application was completed by removing trim lines and excess material.

Belzona Facts

Belzona 1212 is a paste grade multi-purpose epoxy based material that utilizes the latest technology to achieve rapid cure and excellent adhesion to poorly prepared substrates. When fully cured, this two-part system exhibits outstanding mechanical strength. Repairing shafts using the forming technique provides a smoother finish than machining and, more importantly, can avoid the need to dismantle and remove the equipment from its location.

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