Belzona Repairs Vacuum Pump Rotor Shaft

ID: 10242

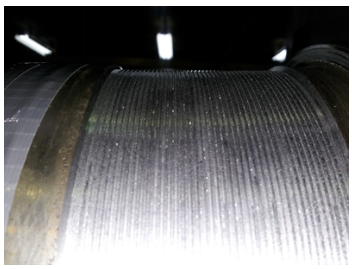
Industry:	*Pulp & Paper*	Customer Location:	*New Brunswick Canada*
Application:	*MPT-Mechanical Power Transmission*	Application Date:	*October 2013*
Substrate:	*Carbon steel*		
Products:	*Belzona 1111 (Super Metal)*		

Problem

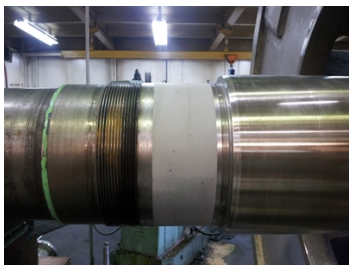
The vacuum pump shaft had become worn and was no longer within acceptable dimensional tolerances, requiring restoration. Familiar with Belzona solutions, the customer requested a product recommendation to rebuild the shaft, restore it to specification, extend its operational service life, and minimize replacement costs.



Shaft in need of repair



Shaft under cut and surface prepared to a rough thread



Completed application



Completed application

Application Situation

Belzona was selected for this repair due to its ease of application, proven performance, and strong reputation in industrial shaft restoration. The customer was confident in the proposed solution, recognizing its ability to restore dimensions accurately, provide a durable repair, and help maximize equipment service life while minimizing downtime.

Application Method

The shaft was removed from site and sent to a local machine shop. The shaft was put on a lathe and undercut 1/16 of an inch. Then a coarse thread was machined to prepare the surface. Belzona 1111 was then applied to the surface to a target thickness of 1/8". The product was allowed to cure and then machined to tolerance.

Belzona Facts

Belzona was chosen due to its quick turn around. The repair is able to be completed in one day and shipped back to the customer the following day.

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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