BELZONA REBUILDS CONVEYOR DRIVE SHAFT IN PLACE

ID: 5282

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

Customer Location: *BC, Canada*
Application Date: *June 2009*

Substrate: *Steel*
Products: ** Belzona 1321 (Ceramic S-Metal) ,*
** Belzona 9411 (Release Agent) ,*

Problem

This 8" diameter shaft carries the head pulley of a large conveyor belt. The bearing seat on the drive end was heavily scored worn more than ¼" undersize.




Photograph Descriptions

* Damaged bearing seat ,
* Split mould coated with release agent ,
* Mould clamped on shaft with injection tubes in place ,
* Shaft with repaired bearing seat ready for service ,

Application Situation

Conveyor drive shaft

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet MPT-2. A split mould was machined to size, and coated with mould release agent. The seat area on the shaft was prepared with an angle grinder, and the mould clamped in place. Then Belzona 1321 was mixed and injected into the mould. When the mould was removed, the cured Belzona material forms a new bearing seat.

Belzona Facts

Belzona materials do not shrink during cure. This type of repair is extremely accurate, yet will carry the weight of this conveyor shaft, which supports a 10-ton counterweight. This Belzona repair was completed in less than 24 hours.

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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