BELZONA REPAIRS VERTICAL SHAFT IN-SITU

ID: 7623

Industry: Food & Drink Customer Location: Food Production Site, England, UK

Application: FBC-Fans, Blowers and Compressors Application Date: October 2017

Substrate: Hardened Carbon Steel Shaft
Products: * Belzona 1511 (Super HT-Metal) ,

Problem

The damage caused to the shaft was causing product to fall onto the workshop floor causing a safety risk, but more importantly causing a loss in revenue due to product dropping through the eroded shaft packing area onto the floor. The client required a solution to repair in-situ without the need to remove the equipment and dismantle the shaft, and machine in a workshop.









Photograph Descriptions

- * 1. Shows Severely damaged vertical shaft,
- * 2. Pre-Machined formers,
- * 3. The product applied to the shaft with the former,
- * 4. Completed Application ,

Application Situation

A D.T. Machine has a shaft that stands vertically between two floors, the vertical shaft which runs between the electric motor and the rotating element had deteriorated badly, due to erosion, causing a loss of product coming through he stuffing box area.

Application Method

The application was carried out in accordance with a modified version of Belzona Know How System leaflet FBC-13, a former had been pre-machined, coated with release agent. The surface of the shaft was prepared using grit blasting. Belzona 1511 was applied to the former and shaft, the shaft was aligned in position and tightened and left to cure. The next day the former was removed and the edges machined back, once this was completed, a force cure was used to further increase the temperature resistance of the Belona 1511.

Belzona Facts

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

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FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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