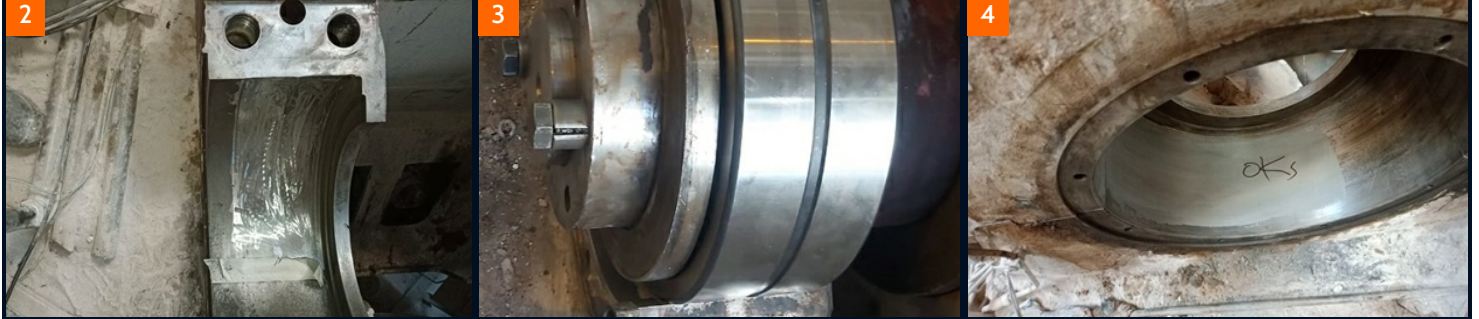


BELZONA HELPS TO REPAIR VRM CRUSHER BEARING HOUSING

ID: 9632



PROBLEM

Excessive vibrations in the VRM crusher led to damage in the bearing housing, resulting in wear between the housing and the bearing. This wear ultimately caused bearing failure, leading to the shutdown of the crusher.

APPLICATION SITUATION

The bearing alone costs \$20,000, and its failure resulted in significant losses due to the halted VRM crushing operation. Ordering a new housing and bearing would have taken months, further exacerbating the financial impact. However, Belzona was able to rebuild the damaged components for a fraction of the cost—just a few thousand dollars—restoring the VRM to operation within three days.

APPLICATION METHOD

Using Belzona release agent and Belzona 1121, the old bearing was utilized as a former to restore the damaged/worn area to its original profile. Surface preparation was carried out using power tools to achieve the minimum profile recommended by Belzona IFU.

BELZONA FACTS

There was no viable alternative to this solution, as ordering new spare parts would have been time-consuming and costly. By using Belzona, we saved the customer approximately \$50,000 in replacement costs and losses, all for less than 10% of that amount."

INDUSTRY

Cement

LOCATION

Al Hfouf Plant

APPLICATION DATE

January 2023

PRODUCTS

Belzona 1121 (Super XL-Metal)
Belzona 9411 (Release Agent)

SUBSTRATE

Cast Iron

PHOTOS

1. Bottom side of the bearing housing before the repair of Belzona
2. Bearing housing suffered wear and metal loss
3. VRM crusher bearing housing in operation
4. Belzona 1121 (Super XL-Metal) repairs the crusher bearing housing

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

www.belzona.com

