

BELZONA INJECTS NEW LIFE INTO HYDRO DAM BEARING

ID: 3089



PROBLEM

While running a high voltage test on the bearing and isolator ring a section of the bearing was damaged when a spark melted one area.

APPLICATION SITUATION

Customer had damaged the bearing surface and was looking for a cost effective long term affordable repair.

APPLICATION METHOD

The application was carried out using a modified version of Belzona Know-How System Leaflet MPT-2. The Belzona® 1321 was injected into a mold that had been treated with Belzona® 9411 (Release agent) after the Belzona® 1221 had been used to seal all the open areas to contain the injected material within the repair area.

BELZONA FACTS

The alternative option to Belzona was to have a machine shop come in and weld up the area and then machine it back down. The heat involved was a major concern. Estimated cost was \$50,000 for this repair. The Belzona repair was 1/10th of the cost and completed within a few hours.

INDUSTRY

Power

LOCATION

Hydroelectric plant, Missouri

APPLICATION DATE

February 2012

PRODUCTS

Belzona 1221 (Super E Metal)
Belzona 1321 (Ceramic S Metal)

SUBSTRATE

Cast iron

PHOTOS

1. Close up of the damaged surface
2. Mold being treated with release agent
3. Injecting the Belzona 1321
4. Completed repair

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.

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