

BELZONA INJECTS NEW LIFE INTO HYDRO DAM BEARING

CUSTOMER

Hydroelectric plant, Missouri

APPLICATION DATE

February 2012

APPLICATION SITUATION

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

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.

PRODUCTS

Belzona® 1221 (Super E Metal)

Belzona® 1321 (Ceramic S Metal)

SUBSTRATE

Cast iron

APPLICATION METHOD

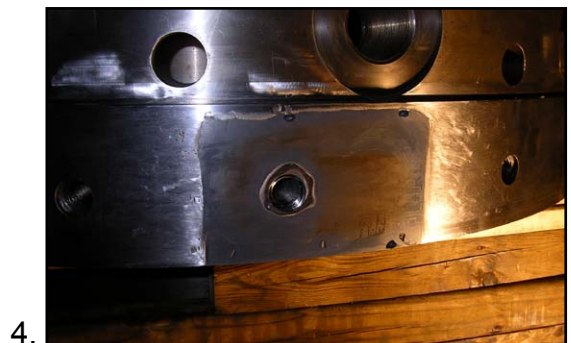
The application was carried out using a modified version of Belzona Know-How System Leaflet MPT-2. The Belzona® 1321 was injected into a mold that had been treated with Belzona® 9411 (Release agent) after the Belzona® 1221 had been used to seal all the open areas to contain the injected material within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

PICTURES

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 <http://khia.belzona.com>



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