

Belzona repairs scored shaft on a valve

ID: 9735

Industry: Power
Application: MPT-Mechanical Power Transmission

Customer Location: Scotland
Application Date: October 2024

Substrate: Carbon steel
Products: Belzona 1212

Problem

A small hydroelectric plant owned by the local water authority had a series of gate valves. One had a score on a shaft used to actuate the valve. This score was forming a leak path.



Surface preparation



Belzona 1212 application



Dressing down repair



Completed repair

Application Situation

This leak was becoming a concern for the plant owner. A contractor was called in to disassemble the valve & carry out a repair. The turnaround time on new parts was prohibitive so a Belzona solution was sought.

Application Method

The score was first ground out using a pencil grinder. It was also heated to remove any oil within the substrate. Belzona 1212 was then applied & overbuilt by ~2mm. The product was then dressed down smooth with the shaft surface.

Belzona Facts

The repair itself took around 1/2 a day to complete.

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

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