

# 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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