

# BELZONA RELIEF VALVE REPAIR

ID: 915

Industry: Power

Customer Location: Hydro Electric Generating Station -  
Scotland

Application: MPT-Mechanical Power Transmission

Application Date: August 1998

Substrate: Brass

Products: \* Belzona® 1111 (Super Metal) ,

## Problem

Previous attempts to weld similar equipment had resulted in the brass piston distorting and so an alternative method for repair was sought.



## Photograph Descriptions

- \* Piston being machined out. ,
- \* Belzona® 1111 machined to tolerance. ,
- \* Valve in for overhaul in 2007. This had nothing to do with the original Belzona repair. ,
- \* Belzona in good condition and was returned to service with no work required after passing offsite hydrostatic testing and onsite commissioning. ,

## Application Situation

The sealing surface on the pressure relief valve had suffered damage and water was passing causing the valve not function properly.

## Application Method

Application was carried out in accordance with the Belzona Know-How System Leaflet MPT-1. Damaged area was machined out, filled with Belzona® 1111 then machined to tolerance.

## Belzona Facts

The difficulty of weld repairing similar jobs previously had led to lost time and missed deadlines. Written report received from client

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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BELZONA®  
Repair • Protect • Improve

confirming Belzona repair in good condition and suitable for return to service after already completing 9 years service.

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