

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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