

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

FS 695214

ISO 14001:2015

EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com

BELZONA®
Repair • Protect • Improve

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

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.

www.belzona.com

