

# BELZONA RESTORES HYDROGEN COOLER ENDS

ID: 1390

Industry: Power  
Application: MPT-Mechanical Power Transmission

Customer Location: Power Station, Ontario  
Application Date: November 2009

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

## Problem

Seals had become out of round and as a result gas leaks had started.



## Photograph Descriptions

- \* Unit set-up on turntable and upper and lower outside diameters masked off ,
- \* Belzona® 1111 applied to build up the groove to the desired over-thickness ,
- \* Seals ready to be machined to correct tolerance ,

## Application Situation

Hydrogen seals are found on either end of the generators and seal hydrogen cooling gas from escaping.

## Application Method

Application carried out in accordance with Belzona Know-How System Leaflet MPT-9. Units are set up on a turntable and Belzona applied to rebuild groove before being re-machined to tolerance.

## Belzona Facts

Each of these hydrogen rings, depending on size, range from \$80K to \$120K. These repairs cost under \$3K per unit complete. In addition to these savings the Belzona is approved for these applications.

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](http://www.belzona.com)

  
**BELZONA®**  
Repair • Protect • Improve