

# Belzona Keeps Historic, 70-Year-Old Vessel Steaming On

ID: 7474

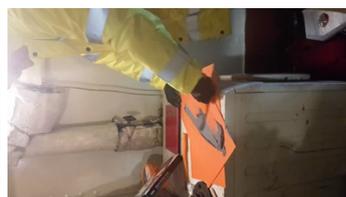
Industry: *Marine*  
Application: *SOS-Ships and Offshore Structures*

Customer Location: *Scotland, UK*  
Application Date: *March 2017*

Substrate: *Cast Steel*  
Products: *\* Belzona 1511 (Super HT-Metal),*

## Problem

*The famous vessel required maintenance to one of the steam cylinders on board. Belzona was chosen to rebuild pitting damage caused by the high temperature, steam conditions.*



## Photograph Descriptions

- \* 1. The PS Waverley is the last sea-going paddle steamer in the world ,
- \* 2. Mixing of Belzona 1511 (Super HT-Metal) ,
- \* 3. The solvent-free material was ideally suited for the confined environment on board ,
- \* 4. Application of the metal repair material to restore the pitted sections ,

## Application Situation

Built in 1946, PS Waverley is one of the world's greatest historic ships and the last sea-going paddle steamer in the world. Listed among the National Historical Fleets records, the 70-year-old vessel still operates passenger excursions around the British coastline thanks to tireless maintenance efforts.

## Application Method

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

In order to combat the high temperature environment, Belzona 1511 (Super HT-Metal) was used to rebuild the pitted areas, able to be hand-applied and solvent-free. Once cured, the metal repair material was machined down to be flush with the surrounding areas. This application was completed using a modified version of ENC-4 system leaflet.

## Belzona Facts

Attempts had been made to repair this previously, however similar defects had arisen. Therefore, Belzona was recommended as a viable option by Engineers from a nearby ferry company, who had successful experiences with Belzona's polymeric solutions. Any maintenance to the Waverley takes place out of season, in Winter, as to avoid any downtime during peak times. The Engineers were impressed how the application took under two hours to complete. Each individual steam cylinder is accessed every five years; therefore, any further applications of this type will be reviewed within the next maintenance window.

---

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)

