

Belzona repairs pitted engine cylinders

ID: 7553

Industry: Marine
Application: ENC-Engines and Casings
Substrate: Cast iron
Products: * Belzona 1111 (Super Metal) ,

Customer Location: Shipyard, Glasgow, Scotland
Application Date: May 2017

Problem

Weld repairs would be problematic & time consuming on this area. They would also not solve the original issue of corrosion.



Photograph Descriptions

- * 1. The Engine block ,
- * 2. Close up of pitting damage ,
- * 3. Areas after grit blasting ,
- * 4. Application of Belzona 1111 ,

Application Situation

An engine block for a tugboat was found to have pitting around the cylinders.

Application Method

Application was carried out in accordance with Belzona System Leaflet ENC-5 and ENC-6. The areas were grit blasted before Belzona 1111 was used to build up the pitted areas. The material was built up proud of the areas & then machined back on a large lathe.

Belzona Facts

The Belzona repairs rebuilt the lost metal with no risk of distortion or further damage to the casing. Belzona 1111 being corrosion resistant ensures a long term repair free from the original corrosion problems.

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

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