

# Belzona repairs pitted engine cylinders

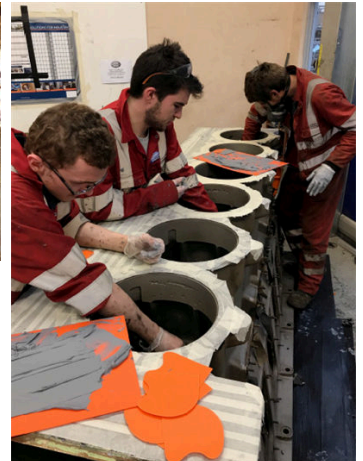
ID: 7553

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.

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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