

BELZONA REPAIRS PITTED ENGINE CYLINDERS

CUSTOMER

Shipyard, Glasgow, Scotland

APPLICATION DATE

May 2017

APPLICATION SITUATION

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

PROBLEM

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

PRODUCTS

Belzona 1111 (Super Metal)

SUBSTRATE

Cast iron

APPLICATION METHOD

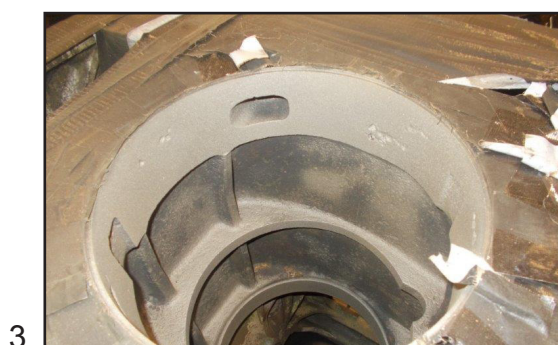
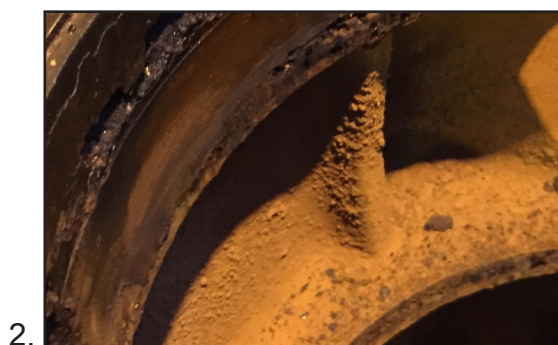
Application was carried out in accordance with Belzona System Leaflet ENC-5 and ENC-6. The areas were grit blasted before Belzona 1111 was used to build up the pitted areas. The material was built up proud of the areas & then machined back on a large lathe.

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.

PICTURES

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



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Q 09335
ISO 14001:2004
EMS 509612

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