

# PROTECTING ENGINE BLOCK WITH BELZONA

ID: 629

Industry: *Marine*  
 Application: *ENC-Engines and Casings*  
 Substrate: *Cast iron*  
 Products: *\* Belzona® 1111 (Super Metal) ,*  
*\* Belzona® 1391 (Ceramic HT) ,*

Customer Location: *Dry docks, Oporto, Portugal*  
 Application Date: *March 2005*

## Problem

*Corrosion in water jacket around cylinder liners.*



## Photograph Descriptions

- \* Corroded block with liners removed ,
- \* Surface preparation by grit blasting ,
- \* Application of Belzona ,
- \* Finished application ,

## Application Situation

Engine block from tug boat

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet ENC-6. Belzona® 1111 used to restore profiles before coating with Belzona® 1391 to provide long term erosion corrosion.

## Belzona Facts

This client had been delighted with previous application of Belzona so returned to ensure the same high quality finish and performance on these very important components. The client was once again delighted with the outcome when inspected after 4 years.

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.

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