

# BELZONA REPAIRS AND PROTECTS ENGINE BLOCK AND CYLINDER LINERS

ID: 3641

Industry: *General Industry*

Customer Location: *German diesel engine refurbishment company*

Application: *ENC-Engines and Casings*

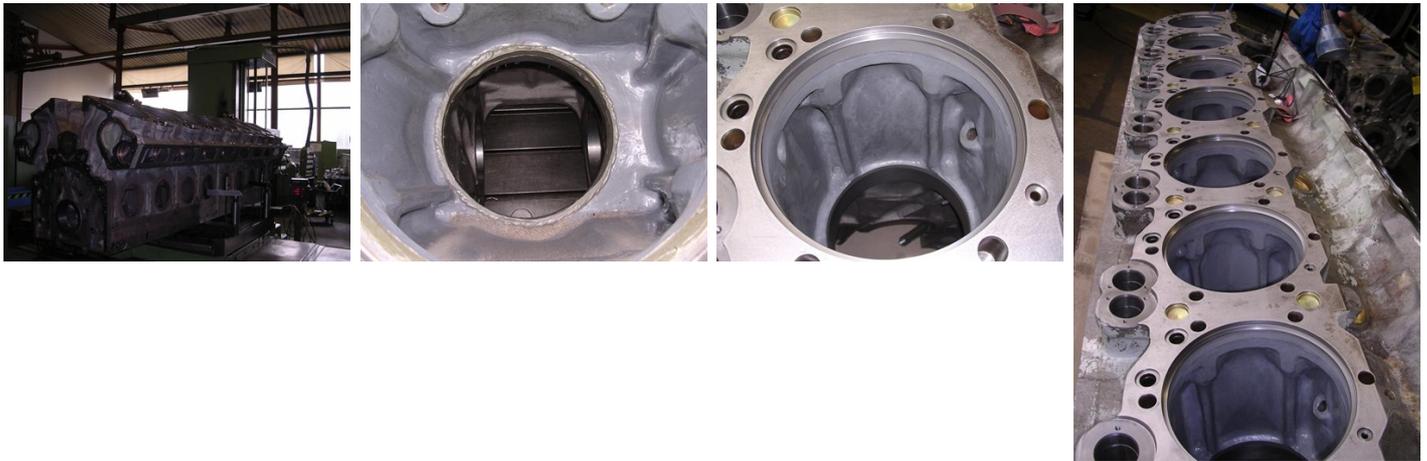
Application Date: *August 2005*

Substrate: *Cast Iron*

Products: *\* Belzona® 1111 (Super Metal) ,  
\* Belzona® 1391 (Ceramic HT) ,*

## Problem

*Corrosion and cavitation damage in cooling water area as well as leaking O-ring sealing surfaces.*



## Photograph Descriptions

- \* Diesel engine block prior to repair ,
- \* Close-up of application area ,
- \* Close-up of application area ,
- \* Completed engine block application ,

## Application Situation

Ship diesel engine block

## Application Method

The repair to the sealing faces was carried out in accordance with Belzona Know-How System Leaflet ENC-5, using machining methods. Areas damaged by corrosion and cavitation were rebuilt with Belzona® 1111, and cooling water areas were fully coated with Belzona® 1391 in accordance with Belzona Know-How System Leaflet ENC-6.

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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**BELZONA**  
Repair • Protect • Improve

## Belzona Facts

The client buys discarded engines which they recondition. As a result of rebuilding the engine block with Belzona it is classed as new and not as repaired thus offering better resale value as well as improved longevity through the use of non-corroding technology.

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