

BELZONA REPAIRS AND PROTECTS ENGINE BLOCK AND CYLINDER LINERS

CUSTOMER

German diesel engine refurbishment company

APPLICATION DATE

August 2005

APPLICATION SITUATION

Ship diesel engine block

PROBLEM

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

PRODUCTS

Belzona® 1111 (Super Metal)

Belzona® 1391 (Ceramic HT)

SUBSTRATE

Cast Iron

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.

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.

PICTURES

1. Diesel engine block prior to repair
2. Close-up of application area
3. Close-up of application area
4. Completed engine block application



For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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