

BELZONA REPAIRS AND PROTECTS ENGINE BLOCK AND CYLINDER LINERS

ID: 3641



PROBLEM

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

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.

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.

INDUSTRY

General Industry

LOCATION

German diesel engine refurbishment company

APPLICATION DATE

August 2005

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 1391 (Ceramic HT)

SUBSTRATE

Cast Iron

PHOTOS

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 khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

