

## BELZONA® REPAIR OF DIESEL ENGINE CASING

### CUSTOMER

Dockyard, Bulgaria

### APPLICATION DATE

February, 2008

### APPLICATION SITUATION

Yanmar diesel engine of electrical generator from vessel

### PROBLEM

Damaged casing of the engine with leakage of cooling water from the water jacket.

### PRODUCTS

Belzona® 1111 (Super Metal) Belzona® 1392 (Ceramic HT2)

### SUBSTRATE

Cast Iron

### APPLICATION METHOD

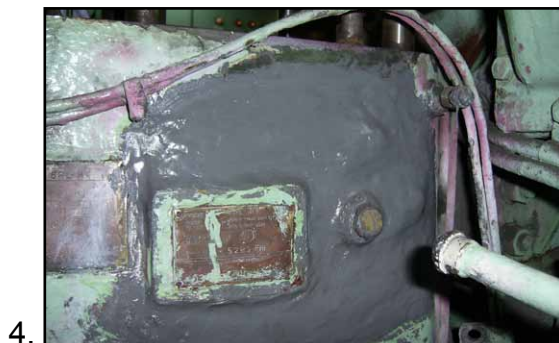
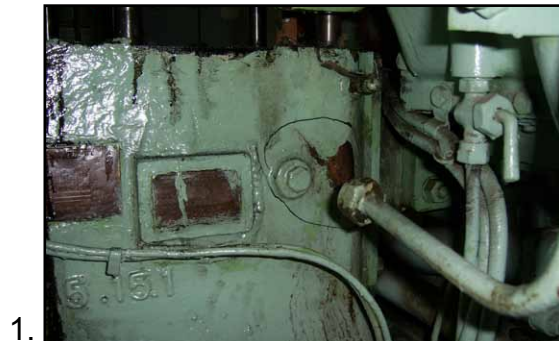
Application was carried out in accordance with Belzona Know-How Leaflet ENC-1. The internal surface of the casing was additionally protected with a coat of Belzona® 1392.

### BELZONA FACTS

The conventional repair by welding was done previously without success. The welds cracked soon due to the induced stresses and brittle condition of the engine casing. All conventional repair companies refused any repair. After application and test runnings of the engine the customer was fully satisfied with the results. Belzona solution was time and cost effective and saved the customer replacement costs.

### PICTURES

1. View of the cracked casing
2. Crack terminated and metal reinforcement straps fixed
3. Application of Belzona® 1111 with additional Belzona® 9341 (Reinforcement Tape) in progress
4. View of the completed application



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



ISO 9001:2008  
Q 09335  
ISO 14001:2004  
EMS 509612

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