

BELZONA REFORMS SEAL FACES IN SHIPS CYLINDER BLOCK

ID: 5992



PROBLEM

Erosion and corrosion had damaged the seal faces. Conventional repairs were not an option.

APPLICATION SITUATION

Seal faces for cylinder liners of diesel generator. Repairs required whilst ship was in drydock.

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet ENC-5. After preparing the damaged areas, carefully profiled formers coated with Belzona 9411 were used to reform Belzona 1111 to the required seal face dimensions. Once cured, the formers were removed and excess Belzona was trimmed away to leave the accurately formed seal faces.

BELZONA FACTS

Forming technology provides fast recovery of defects with very good smoothness. Unlike machining methods, it does not require disassembly and removal of the block to a mechanical workshop. The cost of repairs using the molding technology is several times less expensive to alternative machining and requires minimal time to return the equipment to operation.

INDUSTRY

Marine

LOCATION

Naval Ship Repair Yard, Bulgaria

APPLICATION DATE

January 2015

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 9411 (Release Agent)

SUBSTRATE

Cast Iron

PHOTOS

1. Preparation of one defect completed
2. Forming plates coated with Belzona 9411
3. Application of Belzona 1111 in progress
4. Completed 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.

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