

BELZONA REPAIR AND PROTECTS PROPELLER SHAFTS

CUSTOMER

Ro-Ro Vessel Operator, ISTANBUL, TURKEY

APPLICATION DATE

October 2019

APPLICATION SITUATION

Ro-Ro Ship propeller shaft.

PROBLEM

Cavitation damage on the propeller shaft.

PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1321 (Ceramic S-Metal)

Belzona 9111 (Cleaner & Degreaser)

SUBSTRATE

Steel

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet SOS-01 and SOS-02. Shaft surface was prepared with SA 2,5 grit blasting. Surface then cleaned with Belzona 9111. Belzona 1311 was used to repair the damaged shaft surface. Belzona 1321 was applied to on top of Belzona 1311 within the overcoating window, without the need of additional surface preparation.

BELZONA FACTS

Propeller shaft replacement would be very costly time consuming. Welding and machining at workshop requires the removal of the shaft which is time consuming and costly. In-situ repair with Belzona is low cost solution and saves time. The great advantage of Belzona 1321 is that it can be applied within a few hours on top of Belzona 1311 application. Belzona 1321 was used to achieve protection against cavitation.

PICTURES

1. Cavitation damage on the propeller shaft.
2. After surface preparation.
3. Repair with Belzona 1311.
4. Coating application with Belzona 1321.



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

ISO 9001:2008
Q 09335
ISO 14001:2004
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