

REPAIR AND COATING OF EROSION CORROSION DAMAGE ON THE MAIN ENGINE COOLER COVER

ID: 9800



PROBLEM

Metal losses and severe pittings occurred in the main engine cooler cover due to erosion and corrosion. The customer wanted to repair and protect the equipment with Belzona against future erosion and corrosion damage.

APPLICATION SITUATION

Main engine cooler cover of bulk carrier ship. Customer wanted to repair the cover in short time. Instead of welding repair, Belzona saved time and in addition provided long lasting protection with ceramic coating.

APPLICATION METHOD

Applications were carried out in accordance with Belzona Know-How System Leaflets SOS-01 and SOS-02.

BELZONA FACTS

Repairing the equipment with other repair methods (such as welding) would be a long and costly method. Since these damages would occur again even if repaired with welding, the customer wanted to repair the equipment with Belzona and then protect the equipment against future wear and corrosion-erosion damage. We repaired the equipment with Belzona 1111 Super Metal within 1 day and protected it with Belzona 1321 Ceramic S-Metal. In this way, the customer saved both time and money also protected the equipment.

INDUSTRY

Marine

LOCATION

TURKEY, İSTANBUL

APPLICATION DATE

March 2025

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Cast Iron

PHOTOS

1. After SA 2.5 steel grit blasting
2. Severe metal losses
3. After repair with Belzona 1111 Super Metal
4. After coating with 2 layers of Belzona 1321 Ceramic S-Metal

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