

Repair and coating of erosion corrosion damage on the main engine cooler cover

ID: 9800

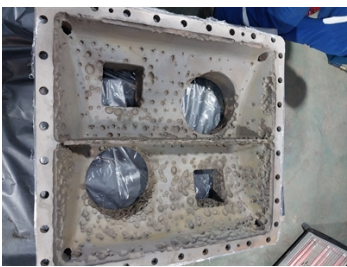
Industry: *Marine*
Application: *SOS-Ships and Offshore Structures*

Customer Location: *TURKEY, İSTANBUL*
Application Date: *March 2025*

Substrate: *Cast Iron*
Products: *Belzona 1111 (Super Metal), Belzona 1321 (Ceramic S-Metal)*

Problem

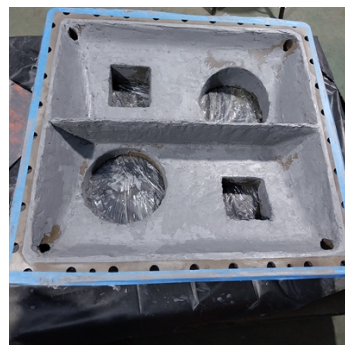
Metal losses and severe pittings occurred in the main engine cooler cover due to erosion and corrosion. The customer wanted to repair and protect the equipment with Belzona against future erosion and corrosion damage.



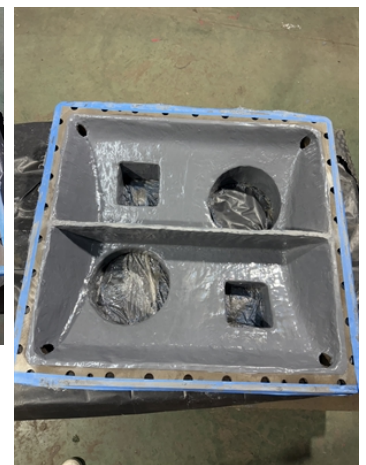
After SA 2.5 steel grit blasting



Severe metal losses



After repair with Belzona 1111 Super Metal



After coating with 2 layers of Belzona 1321 Ceramic S-Metal

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.

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

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com


BELZONA
Repair • Protect • Improve