

BELZONA REPAIRS AND PROTECTS 2 STAGE SEAWATER PUMP

ID: 8356

Industry: Marine

Customer Location: SHIPYARD, TURKEY

Application: CEP-Centrifugal Pumps

Application Date: June 2020

Substrate: Steel

Products: * Belzona 1311 Ceramic R-Metal Belzona 1321 Ceramic S-Metal ,

Problem

Pump case surface was severely damaged due to cavitation from seawater and corrosion.



Photograph Descriptions

- * 1. 2 stages seawater pump with high cavitation ,
- * 2. After Grit-Blasting ,
- * 3. Application of Belzona 1311 ,
- * 4. Application of Belzona 1321 ,

Application Situation

2 stage seawater pump case

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets CEP-03 and CEP-05. Dismantled pump casings were grit blasted to SA 2,5 Standard in the workshop blasting cabinet. All surfaces were thoroughly cleaned. Then the damaged surfaces and pittings were repaired with Belzona 1311 before coating with Belzona 1321 to provide overall erosion-corrosion protection.

Belzona Facts

It is substantially more cost-effective to repair and protect with Belzona versus replacement. Repair and Protection was completed for almost 25% of the cost of new equipment and the whole application was completed in one day and the downtime planned by the owner was reduced. Pump is now protected against future erosion-corrosion damages.

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

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