

Belzona Saves Bow Thruster From Going Under

ID: 9143

Industry: Marine
Application: SOS-Ships and Offshore Structures

Customer Location: Turkey
Application Date: July 2021

Substrate: Carbon steel
Products: Belzona 1311 (Ceramic R-Metal), Belzona 1321 (Ceramic S-Metal)

Problem

There was severe cavitation and corrosion damage on the surface of this bow thruster



Before Application (showing the cavitation damaged areas)



Belzona 1311 Applied for Repair



Belzona 1321 First Layer Coating Applied



Belzona 1321 Second Layer Coating Applied

Application Situation

The customer approached the Distributor to repair the cavitation-damaged areas of this bow thruster. They had an alternative method in mind, but the application would have taken longer and wouldn't have provided them with the corrosion protection they needed for their equipment. So, the customer decided Belzona would be the reliable solution for them.

Application Method

The surface of the bow thruster was first washed down with Belzona 9111 (Cleaner Degreaser) to remove all the dirt, grease and other surface contaminants before being grit blasted. Then Belzona 1311 (Ceramic-R-Metal) was used to repair the bow thruster, before adding a final coats of Belzona 1321 (Ceramic-S-Metal) to protect the equipment from further damage.

Belzona Facts

The application took just eight hours to complete, plus the one day for curing. This pleased the customer as the alternative method would have taken more time, which meant the thruster would have been out of service longer.

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

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