

BELZONA REPAIRS AND PROTECTS HOUSING

ID: 5395

Industry: Marine
Application: SOS-Ships and Offshore Structures

Customer Location: Norfolk, VA, USA
Application Date: 2011

Substrate: Cast Aluminum
Products: * Belzona Marine Metal ,
* Belzona 1321 (Ceramic S-Metal) ,
* Belzona 9411 (Release Agent) ,

Problem

Severe erosion and pitting of the jet drive transom housings threaten the service life cycle of the equipment and reduce the efficiency of the jet drive system.



Photograph Descriptions

- * Blasted port transom housing ,
- * Mold is in place and the Belzona rebuilding metal is being applied to return the housing to the original dimensions and contours ,
- * The completed port transom coated with Belzona 1321. The molded jet drive clearances are perfect ,
- * Stern view of the Special Operations Craft and the transoms (covered by tarps) ,

Application Situation

Erosion and corrosion caused a major loss of metal in the jet drive transom housing.

Application Method

The transom housing was blasted to a near white metal finish. A former was manufactured to mold the critical clearances to 1-2 mm between the removable jet drive and the boat transom housing. Once the rebuilding and molding was completed, two coats of Belzona 1321 were applied.

Belzona Facts

The alternative to the Belzona repair is replacement of the housing. The customers estimates the cost to replace the housing is

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.

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Repair • Protect • Improve

\$50k+ per transom. Since there are 2 transoms to be repaired, it would cost \$100k+. Belzona's rebuilding, molding and coating totaled \$18,585.

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