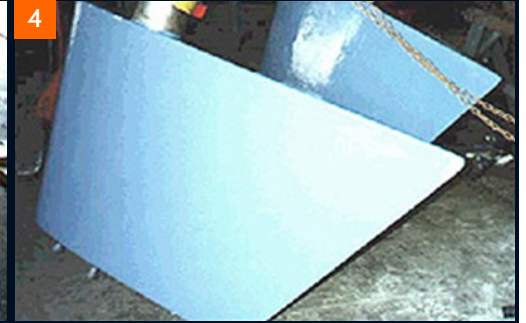


HIGH SPEED PATROL BOAT STABILIZED WITH BELZONA

ID: 344



PROBLEM

Much like a rudder, cavitation damage will manifest itself on the areas of greatest pressure differential. In this case, entrained solids and cavitation caused metal damage to the trailing edge of the patrol boat's two stabilizers.

APPLICATION SITUATION

Stabilizer from a MK-5 High Speed Patrol Boat.

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflets SOS-1 and SOS-2.

BELZONA FACTS

You can TIG/MIG weld aluminum, however this process is both expensive and time consuming. In addition, you risk introducing dissimilar metals during this uncontrolled heat treatment process. This particular vessel is on a constant state of readiness and the dock time is limited to an as needed basis.

INDUSTRY

Marine

LOCATION

United States Navy

APPLICATION DATE

1997

PRODUCTS

Belzona 1311 (Ceramic R-Metal)
Belzona 1341 (Supermetalgilde)

SUBSTRATE

Aluminum

PHOTOS

1. High speed patrol vessel
2. Cavitation damage to stabilizer trailing edge
3. Rebuilding cavitation damage
4. Both stabilizers completely rebuilt and coated

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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under an ISO 9001 Registered
Quality Management System.

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