

High Speed Patrol Boat Stabilized with Belzona



High speed patrol vessel.



Cavitation damage to stabilizer trailing edge.



Rebuilding cavitation damage.



Both stabilizers completely rebuilt and coated.

STATISTICS

CUSTOMER

United States Navy,
USA

APPLICATION DATE

1997

SUBSTRATE

Aluminum

PRODUCTS

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

APPLICATION SITUATION

Stabilizer from a MK-5 High Speed Patrol Boat

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 METHOD

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