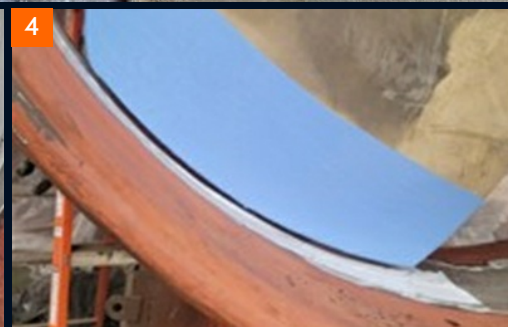


PROPELLER REPAIR AND PROTECTION

ID: 9409



PROBLEM

Cavitation damage on propeller and hub

APPLICATION SITUATION

Vessel was in drydock for routine repairs and noticed the damage. Based on complications of removing the propeller for offsite repairs the owner looked for an alternate repair method insitu.

APPLICATION METHOD

Blades and hub were grit blasted to a minimum of 3mil angular profile
Belzona 1311 was scrubbed into cavitation pockets then frost blasted after reaching machining stage
1st coat of Belzona 1341 gray was applied at 10mils then a 2nd coat of Belzona 1341 blue was applied at 10mils within the 24hr overcoat window

BELZONA FACTS

This alternate repair method supported the requirements of the owner and shipyard.

INDUSTRY

Marine

LOCATION

Seattle WA

APPLICATION DATE

May 2024

PRODUCTS

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

SUBSTRATE

Bronze

PHOTOS

1. Damage to propeller
2. Belzona 1311 applied in areas of cavitation
3. Belzona 1341 grey applied as first coat
4. Belzona 1341 blue applied as second coat

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

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

www.belzona.com

