

Belzona Protects Fast Ferry Bow Thrusters From Cavitation



Localized damage to Belzona® 1341 (Port)



Extensive damage to Glass Flake lining (Starboard)



Belzona® 2141 (Portside)



Inspection after 5 years service

STATISTICS

CUSTOMER

Scandinavian fast ferry operator

APPLICATION DATE

January 2002

SUBSTRATE

Aluminum

PRODUCTS

Belzona® 1111
Belzona® 2141

APPLICATION SITUATION

Bow Thrusters from a 900 Passenger High Speed Service Ferry capable of 38 knots.

PROBLEM

Cavitation problems had manifested themselves in the Port and Starboard Bow Thruster Tunnels. Annual repairs had been attempted with glass flake coatings and Belzona® 1341, but none had been ideal allowing metal loss to continue in the tunnel.

APPLICATION METHOD

Following removal of the existing coatings Belzona® 2141 was applied in accordance with a modified version of SOS-1 & 2.

BELZONA FACTS

Subsequent annual inspections, most recently in 2007, have shown the Belzona® 2141 to provide outstanding cavitation protection reducing the annual docking cycle from annual to bi-annual for the client. The client is intending to coat the other non-Belzona protected areas as a result.