

# BELZONA PROTECTS FAST FERRY BOW THRUSTERS FROM CAVITATION

ID: 900

Industry: Marine Customer Location: Scandinavian Fast Ferry operator

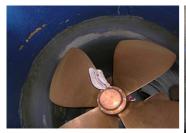
Application: SOS-Ships and Offshore Structures Application Date: January 2002

Substrate: Aluminum

Products: \* Belzona® 1111 (Super Metal) Belzona® 2141 (ACR-Fluid Elastomer),

#### **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.









## **Photograph Descriptions**

\* Localized damage to Belzona® 1341 (Port) Extensive damage to Glass Flake lining (Starboard) Belzona® 2141 (Portside) Inspection after 5 years service ,

### **Application Situation**

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

### **Application Method**

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

#### **Belzona Facts**

Subsequent annual inspections have shown the Belzona® 2141 to provide outstanding cavitation protection. After nine (9) years in service the Belzona 2141 remains in excellent condition apart from a few mm² of mechanical damage. The client is extremely pleased with the application which has allowed them to extend the annual docking cycle to a bi-annual one

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

ISO 9001:2015 Belzona products are
FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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