

## BOW THRUSTER REPAIR WITH BELZONA

### CUSTOMER

Dockyard, Bulgaria

### APPLICATION DATE

November, 2009

### APPLICATION SITUATION

Bow thruster of cargo vessel

### PROBLEM

Erosion/corrosion effects made severe pitting damage to the whole bow thruster and supporting pillar due to bad cathodic protection.

### PRODUCTS

Belzona® 1311 (Ceramic R-Metal)

Belzona® 1321 (Ceramic S-Metal)

### SUBSTRATE

Cast iron

### APPLICATION METHOD

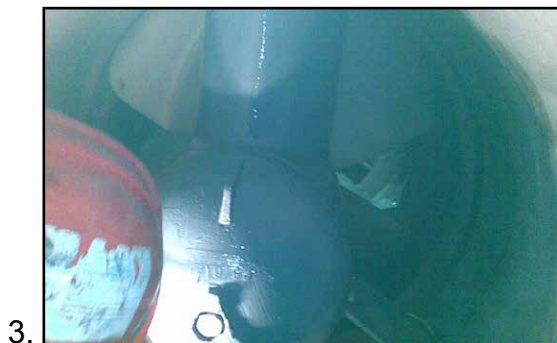
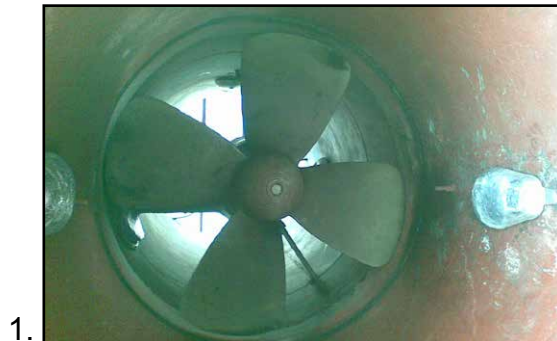
Application was carried out in accordance with Belzona Know-How System Leaflets SOS-1 and 2.

### BELZONA FACTS

Replacement of the badly eroded bow thruster body was planned for the next dry-dock but immediate replacement was not an option due to delivery time constraints. Belzona was chosen for its durable, fast and inexpensive application. The whole repair was done within a 48 hour period, restoring an even surface profile with additional protective coating for long erosion/corrosion resistance.

### PICTURES

1. General view of bow thruster
2. Belzona® 1311 used to rebuild damaged surface and restore profile
3. First coat of Belzona® 1321 applied
4. Second coat of Belzona® 1321 applied to complete application



For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008  
Q 09335  
ISO 14001:2004  
EMS 509612

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