

## BELZONA REPAIRS BOW THRUSTER

### CUSTOMER

Shipyards, Bremerhaven, Germany

### APPLICATION DATE

March 2011

### APPLICATION SITUATION

Bow thruster casing of a cargo ship.

### PROBLEM

Extensive damage to the bevel gear system's casing.

### PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1321 (Ceramic S-Metal)

Belzona 4311 (Magma CR1)

### SUBSTRATE

Cast steel

### APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet SOS-2.

### BELZONA FACTS

Docking time was approximately 10 days, a replacement was not possible. The job was won as a result of maintaining strong contact and reliable service delivery with the shipyard, shipping line and classification society. Belzona® 4311 was applied not due to any chemical performance need but because the first inspection by the client is visual, and this extra layer gives a professional, aesthetical finish.

### PICTURES

1. Extensive damage clearly visible
2. Close-up following grit blasting
3. Application in progress
4. Completed application



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



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