

## RESEATING NEW RUDDER BEARING WITH BELZONA

### CUSTOMER

Dockyard, Bulgaria

### APPLICATION DATE

June, 2010

### APPLICATION SITUATION

Installation of new bronze bearing in oversized bearing housing.

### PROBLEM

Corrosion damage and severe wear led to destruction of the old bearing and irregular form of the housing leading to increased annular space between the new manufactured bearing and the housing.

### PRODUCTS

Belzona® 1221 (Super E-Metal)

Belzona® 1321 (Ceramic S-Metal)

### SUBSTRATE

Cast Iron housing & Bronze bearing

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet SOS-9. The injection was through flexible hose placed into the four channels made in the back of the bearing.

### BELZONA FACTS

Belzona saved time and money against expensive machining of the housing and supply of larger bronze bush. No alternative was fast enough to compete. This standard repair procedure eliminates galvanic corrosion and provides long term location of the bearing.

### PICTURES

1. Bronze bearing machined and ready to be inserted in to the housing
2. Centralizing of the bearing in progress
3. Bae of bearing sealed with Belzona® 1221
4. Finished application after injection of Belzona® 1321



1.



2.



3.



4.

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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