

## RESEATING NEW RUDDER BUSH WITH BELZONA

### CUSTOMER

Ship Dockyard, Bulgaria

### APPLICATION DATE

November 2007

### APPLICATION SITUATION

Installation of new pintle bearing bush in worn pintle bearing housing.

### PROBLEM

Corrosion damages and wear led to increased annular space between the bush and its housing and irregular form of the bush housing.

### PRODUCTS

Belzona® 1221 (Super E-Metal)

Belzona® 1321 (Ceramic S-Metal)

### SUBSTRATE

Cast Iron housing and Bronze bush

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet SOS-9.

### BELZONA FACTS

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

### PICTURES

1. The housing prepared by blasting and ready for bush assembly.
2. The new bearing bush prepared with thread profile and longitudinal channels to accommodate plastic pipes for injection and to serve as locking keys to prevent bush rotation.
3. Sealing the bottom of the new bush with Belzona® 1221.
4. Completed application. Belzona® 1321 completely filled annular space. Pintle with metal shims were used for bush alignment.



1.



2.



3.



4.

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



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