

BELZONA REBUILDS RUDDER PINTLE HOUSING

ID: 677

Industry: Marine

Customer Location: Dry Docking Company - Vancouver,
British Columbia - Canada

Application: SOS-Ships and Offshore Structures

Application Date: September 1999

Substrate: Mild steel

Products: * Belzona® 1311 (Ceramic R-Metal) ,
* Belzona® 1321 (Ceramic S-Metal) ,

Problem

A breakdown of the seal had allowed seawater to enter the housing causing bi-metallic corrosion.



Photograph Descriptions

- * View of coated rudder pintle one being inserted into the bore which has also been pre-coated. ,
- * The pintle now completely inserted and extruded material removed. ,
- * The pintle removed showing reformed bore giving 100% contact with the pintle. ,

Application Situation

The rudder pintle housing was oversized and needed to be rebuilt

Application Method

Application carried out in accordance with Belzona Know-How System Leaflet SOS-3.

Belzona Facts

Rebuilding rudder pintle housing in this manner has three major advantages over a conventional repair. It eliminates stress cracking as no heat is involved. It reduces dry docking time and it solves the problem of bi-metallic corrosion.

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

ISO 9001:2015

Q 09335

ISO 14001:2015

EMS 509612

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