

# BELZONA REBUILDS A 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

FS 695214

ISO 14001:2015

EMS 695213

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manufactured under an ISO  
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