

# BELZONA REBUILDS ERODED RUDDER PINTLE HOUSING

ID: 5301

Industry: *Marine*  
Application: *SOS-Ships and Offshore Structures*

Customer Location: *BC, Canada*  
Application Date: *August 1999*

Substrate: *Mild steel*  
Products: *\* Belzona 1311 (Ceramic R-Metal) ,*  
*\* Belzona 1321 (Ceramic S-Metal) ,*

## Problem

*Bi-metallic corrosion had eroded much of the metal (about ¼ inch) from the rudder pintle housing.*



## Photograph Descriptions

- \* View of blasted rudder housing. ,
- \* Housing coated with Belzona 1321 to increase slip factor. ,
- \* Rudder in position on horizontal slide partially inserted. ,
- \* Rudder pintle inserted and allowed to set up before being removed with the aid of a 30 ton hydraulic jack. The reformed bore was inspected by the ships insurers and found to provide almost 100% contact. ,

## Application Situation

Eroded rudder pintle housing

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet SOS-3.

## Belzona Facts

Using Belzona eliminated the need for extensive welding and line boring. The application was completed in less than 12 hours.

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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