

# BELZONA CONTAINER SHIP RUDDER REPAIRS

ID: 116

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

Customer Location: *Major U.S. Container Ship Company*  
Application Date: *February 1995*

Substrate: *Steel*  
Products: *\* Belzona® 1111 (Super Metal) Belzona® 1121 (Super XL Metal) ,*

## Problem

*Very severe erosion/corrosion of steel components of the ship's rudder*



## Photograph Descriptions

- \* Pintle pin bore after molding, 95-99% contact per ABS Surveyor ,
- \* Rudder being installed on ship after pintle pin repairs ,
- \* Rudder stock bore with Belzona® 9411 (Release Agent) ,

## Application Situation

Ship's rudder

## Application Method

The application was carried out in accordance with Belzona Know-How Leaflets SOS-3 and MPT-1.

## Belzona Facts

Conventional repairs using only welding and machining/field boring would have required a very long stay in drydock, causing severe disruption of cargo schedule with huge losses.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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