

# BELZONA REBUILDS ERODED STERN TUBE SEALING FACE

ID: 4973

Industry: *Marine*

Customer Location: *Maersk Lines Container Ship, Lisnave  
ShipYard, Setubal, Portugal*

Application: *SOS-Ships and Offshore Structures*

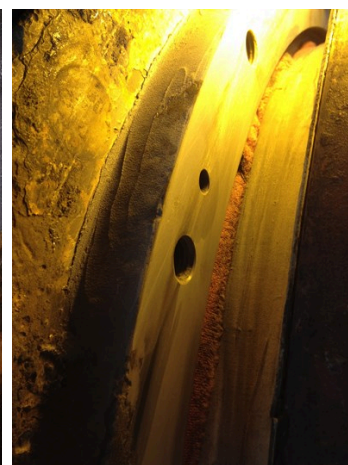
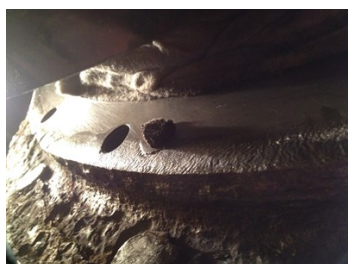
Application Date: *April 2014*

Substrate: *Steel*

Products: *\* Belzona 1311 (Ceramic R-Metal) ,*

## Problem

*Galvanic corrosion damage on the boss sealing surface of stern tube system*



## Photograph Descriptions

- \* Stern Tube with Galvanic Corrosion ,
- \* Stern Tube after preparation with MBX Bristle Blaster ,
- \* Stern Tube after applying Belzona 1311 ,
- \* Completed repair after polishing the Belzona 1311 ,

## Application Situation

Stern Tube of container ship.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SOS-1.

## Belzona Facts

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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The traditional solution to this problem would involve precision machining of the boss surface. The initial preparation, setting up of equipment and the subsequent inspection all put together the estimated repair time for the alternative arrangement was about 8 days. The Belzona application and assembly was completed in 36 hours and inspection subsequent to the application and curing indicated a good even coat of Belzona. The system was assembled and checked for tightness satisfactorily. In normal running conditions, this repair will perform as good or better than the normal arrangement as the Belzona provides an erosion-corrosion resistant surface and being an electrical insulator will eliminate potential for galvanic corrosion in this area. The repair was completed with class ABS supervision.

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