

# BELZONA REPAIRS AND PROTECTS ERODED TUG BOAT KORT NOZZLES

ID: 5293

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

Customer Location: *BC, Canada*  
Application Date: *August 2001*

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

## Problem

*Bi-metallic corrosion had eroded much of the metal and welds adjoining the stainless steel insert positioned in the center of the nozzle.*



## Photograph Descriptions

- \* View of vessel in dry dock ,
- \* Repairs to eroded and damaged areas in progress ,
- \* Completed application ,

## Application Situation

Eroded tug boat kort nozzles

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets SOS-1 and SOS-2.

## 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

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

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Repair • Protect • Improve

Tugs used for hauling log booms up and down the coastline. Original application had taken place in 1996. Sections of the kort nozzle had to be replaced because of excessive internal corrosion. Much of the original coating and rebuilt areas were still in good condition. The owner was happy to reapply Belzona once the new sections were in place and welding complete. Rebuilding the nozzles with Belzona 1311 eliminates excessive welding. Coating the repaired area with Belzona 1321 improves the abrasion resistance of the surfaces and eliminates bi-metallic corrosion.

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