

# BELZONA RESTORED THE ERODED TRANSPORT VESSEL TAIL PIPE

ID: 9473

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

Customer Location: *MESAEED, QATAR*  
 Application Date: *July 2023*

Substrate: *Aluminum*  
 Products: *Belzona 1311 (Ceramic R-Metal), Belzona 1321 (Ceramic S-Metal)*

## Problem

*Corrosion-erosion damaged lower half of the tail pipe due to stationary submerged in seawater for 3 years.*



BEFORE SURFACE PREPARATION SHOWING THE EXTENT OF DAMAGE DUE TO METALLIC EROSION.



AFTER SURFACE PREPARATION BY GRIT BLASTING EXPOSING DEEP PITTING AND METAL LOSS.



ALL DAMAGED AREA WAS REBUILT USING BELZONA 1311.



COMPLETED APPLICATION.

## Application Situation

Severe corrosion pitting on lower half of the Tail Pipe which needs to be rebuilt to restore the original state and requires ceramic protective coating for future prevention against erosion attack.

## Application Method

The Belzona product was applied in accordance with Belzona System Leaflet SOS-1

Manual application using stiff bristle brush and provided plastic applicator to rebuild the eroded areas and to apply protective ceramic coating.

## Belzona Facts

Belzona 1311 is a High performance Abrasion Resistant Rebuilding Grade.

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.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**  
 Repair • Protect • Improve

Belzona 1321 is a High Performance Corrosion/ Erosion Resistant Ceramic Coating Grade.

One year after the application, the client provided feedback that the equipment is still in good working condition.

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