

# BELZONA PROTECTS SHIP SCRUBBER SYSTEM DISCHARGES

ID: 8361

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

Customer Location: *SHIPYARD, TURKEY*  
Application Date: *January 2018*

Substrate: *Stainless-steel*  
Products: *Belzona 9111 Cleaner&Degreaser,*  
*Belzona 1391T,*

## Problem

*After the installation of the scrubber system discharge pipe, the chemicals included in the system such as sulfuric acid and sodium hydrogen sulphate and etc. will have aggressive corrosive effect on the steel discharge pipe and area around the ships steel hull. Combined with the severe cavitation effects, the area is under heavy risk of metal loss due to cavitation damage.*



## Application Situation

Scrubber Overboard Discharge area of RO-RO ship

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets SOS-02. Surface was grit blasted to achieve SA2,5 standard. Surfaces salt contaminant measured and surface has cleaned with Belzona 9111 Cleaner&Degreaser. Specified Surface area is coated with 2 layers with Belzona 1391T. After the application, coating allowed to cure and postcured respectively.

## Belzona Facts

Ships operating with Scrubber systems onboard are under severe corrosive effect. Ships Hull and other steel equipment which is directly contact with the Scrubber Discharge Water cannot continue to operate unprotected for a long time. With Advanced Belzona Protection, the affected areas will be shielded and the Ship can cruise safely while operating with Scrubber Systems.

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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