

# Belzona Propeller Repair - Tugboat

ID: 556

Industry: Marine  
Application: SOS-Ships and Offshore Structures

Customer Location: Port Authority, Egypt  
Application Date: June 2005

Substrate: Steel  
Products: \* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 1321 (ceramic S-Metal) ,

## Problem

*The propellers were severely corroded-eroded. A previous coating had failed; holes and pitting were found in many locations.*



## Photograph Descriptions

- \* General view of the tugboat ,
- \* Erosion-corrosion evident ,
- \* Surface after blasting ,
- \* Application of Belzona to protect the propellers ,

## Application Situation

Voith Schneider® Propellers on a large tugboat.

## Application Method

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

## Belzona Facts

Welded joints were the most severely damaged areas, but additional welding to repair the problem would cause heat distortion and unacceptable delay in drydock. Belzona was the best solution to repair and protect this equipment.

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