

Client: <i>Shipmanagement Company</i>	Industry: <i>Marine</i>
Scope: <i>Ballast Tank Refurbishment</i>	Date: <i>2021</i>
Location: <i>China</i>	Product: <i>RS 500P and RA 500M</i>

Overview

The ballast tanks on board a large products oil tanker were suffering from corrosion and required to be refurbished.

Each tank was to be treated with a new coating solution which would provide long-term protection from further corrosion.

Challenge

Due to the enclosed and hard-to-reach nature of many of the corroded areas, grit blasting was not permissible during surface preparation.

A coating system which could be applied on large, minimally-prepared areas was required.

Solution

All tanks were prepared using a combination of water jetting and mechanical power tooling, to WJ-3 and St 3 standards respectively.

For selected repair areas, one stripe coat and one full coat of **solvent-free, wet and rust tolerant** coating **RS 500P** was applied at 100µm.

This was followed by one coat of **solvent-free, wet tolerant and glassflake-reinforced** coating **RA 500M** at 250µm.

Outcome

The project was completed within the given timeframe, with all ballast tanks ready for a return to service.

Benefits

- Solvent-free
- Wet & rust tolerant
- Can be applied on minimally-prepared surfaces
- No humidity or dew points restrictions
- No recoating limitations
- Quick return-to-service
- Improved Health & Safety and reduced risk of Fire Hazard

Continued overleaf

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Photographs:

- No. 1 Original Conditions
- No. 2 Completed Application

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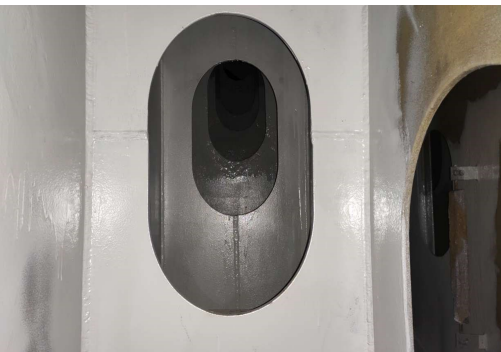
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- Photographs:**
- Nos. 3-4 Original Conditions
 - Nos. 5-6 During Surface Preparation
 - Nos. 7-8 During Stripe Coating
 - Nos. 9-10 Completed Application

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