

Client: <i>Shipmanagement Company</i>	Industry: <i>Marine</i>
Scope: <i>Ballast Tank Refurbishment</i>	Date: <i>November 2020</i>
Location: <i>China</i>	Product: <i>RS 500P</i>

Overview

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

In line with other vessels in the fleet, each tank was to be treated with a new coating solution which would provide long-term protection from further corrosion.

Challenge

In many of the tanks, the corroded spots were significant and often in hard-to-reach areas; making them difficult to prepare effectively ahead of coating application.

A coating solution which could be applied on large, minimally prepared surface patches was required.

Due to the tight project timeframe, the workforce had to undertake surface preparation and coating application both during the day and at night.

Solution

The surface was prepared using a combination of hydroblasting and mechanical power tooling, to WJ-3 and St 3 standards respectively.

One stripe coat and one full-coat of Chemco's **solvent-free, wet & rust tolerant** coating RS 500P was then applied to achieve a DFT of 200µm.

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 point restrictions
- No recoating limitations
- No nearby operational shutdown required
- Quick return-to-service
- Improved Health & Safety and reduced risk of Fire Hazard

Continued overleaf

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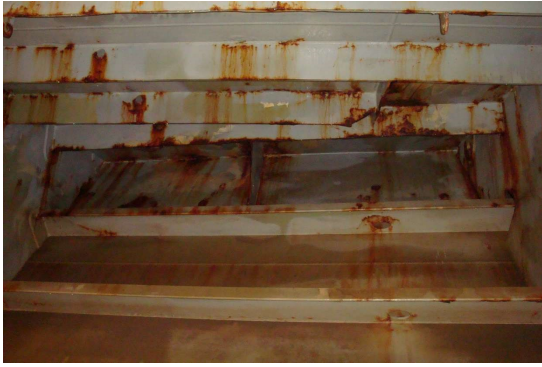
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Photographs:

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

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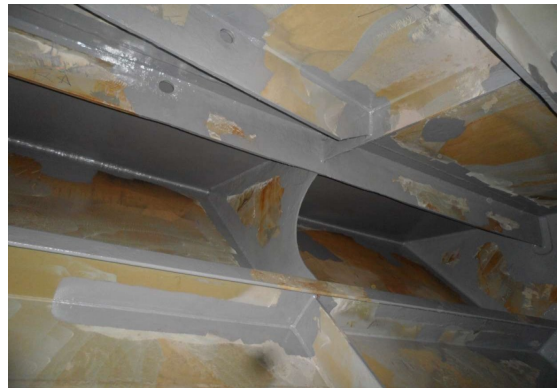
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Photographs:

- Nos. 3-4 Original Conditions
- Nos. 5-6 After Surface Preparation
- Nos. 7-8 After Stripe Coat of RS 500P
- Nos. 9-10 Completed Application

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