

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

## Overview

Large areas of the ballast tanks on board a major crude oil tanker were suffering from severe corrosion.

These areas had to be repaired with a coating system which would provide long-lasting performance and 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.

The project was carried out in high temperature conditions with exposure to high relative humidity.

## 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.

Chemco was chosen for the repair project due to previous success in completing coating works for other vessels in the fleet; with further repair projects set to come in 2020.

Continued overleaf

## 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 (product can 'continue to cure' underwater)
- Improved Health & Safety and reduced risk of Fire Hazard

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### Photographs:

- No. 1 Original Conditions
- No. 2 Completed Application of RS 500P

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**Photographs:**

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

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