

# Case Study



<b>Client:</b> <i>Crude Oil Tankers</i>	<b>Industry:</b> <i>Marine</i>
<b>Scope:</b> <i>Ballast Tank Refurbishments</i>	<b>Date:</b> <i>December 2015 - March 2016</i>
<b>Location:</b> <i>At Sea</i>	<b>Products:</b> <i>Epo-chem™ RS 500P &amp; RA 500M</i>

## Overview

Two crude oil tankers required to have their ballast tanks refurbished. The vessel owner's were looking for a solution which could be utilised whilst the vessel was at sea by a riding squad; thus saving substantial time and cost by eliminating the requirement of dry-docking.

## Challenge

There could be no disruption to vessel operations; therefore grit blasting and the use of solvent-based paints were prohibited. The **only** solution available would be to utilise water jetting and **Chemco's wet & rust tolerant** coating system.

## Solution

Water jetting was utilised as the surface preparation method. One stripe coat and primer coat of **solvent-free, wet & rust tolerant** epoxy **Epo-chem™ RS 500P** was then applied. This was followed by one topcoat of **solvent-free, wet tolerant**, glassflake epoxy **Epo-chem™ RA 500M**.

## Outcome

This project could only be completed by utilising the innovative combination of water jetting and **Chemco's solvent-free, wet & rust tolerant** coating range. Substantial time and cost savings were achieved by utilising this solution, uniquely offered by Chemco.

## Benefits

- Solvent-free
- No dry-docking requirements
- No grit blasting requirements
- No dehumidification or ventilation requirements
- Significantly reduced H&S and Fire Hazard
- No disruption to normal operating service of the vessel

Continued overleaf

1



2



### Photographs:

- Nos. 1 and 2 Surface preparation by water jetting

3



4



5



6



7



Photographs:

- No. 3 After surface preparation
- Nos. 4 and 5 After primer coat
- Nos. 6 and 7 Completed application

Solvent-free • Water-based • Wet-tolerant  
• Rust-tolerant • Zero VOC

- Tank & Pipe Linings • Under-water & Marine • Glassflake
- Rust Converters & Primers • Ceramic & Metal Repair • Anti-static, Conductive & Anti-slip Flooring
- Approved for Contact with Food, Drinking Water & Beverages • Damp or Green Concrete Primers
- Concrete Repair Systems • Elastomeric System
- High Temperature Systems • Fire Retardant • Insulation Systems

East Shawhead Industrial Estate  
Coatbridge ML5 4XD  
Scotland United Kingdom

Tel: +44 (0) 1236 606060

Fax: +44 (0) 1236 606070

Email: [sales@chemcoint.com](mailto:sales@chemcoint.com)

Web Site: [www.chemcoint.com](http://www.chemcoint.com)

