

<b>Client:</b> <i>Crude Oil Tanker</i>	<b>Industry:</b> <i>Marine</i>
<b>Scope:</b> <i>Steam Pipe Refurbishment</i>	<b>Date:</b> <i>December 2015</i>
<b>Location:</b> <i>Mediterranean Sea</i>	<b>Product:</b> <i>Epo-chem™ RL 500PF</i>

## Overview

The deck steam pipes onboard a crude oil tanker required to be renewed as the existing pipes were suffering from corrosion and the steel thickness was far below the minimum mandatory standard.

This project would be carried out by the ship's riding squad whilst the vessel was at sea, under normal operating conditions.

## Challenge

The client was looking for a coating system with high temperature resistance and excellent thermal expansion and contraction capabilities which could provide long-term maintenance-free protection. Grit blasting was also not permissible.

## Solution

The new deck steam pipes were mechanically prepared (see pictures 1-3). This was followed by two coats of **wet & rust tolerant epoxy Epo-chem™ RL 500PF**.

## Outcome

The project was successfully completed whilst the vessel was at sea by the ship's riding squad. The unique characteristics of **Epo-chem™ RL 500PF** will provide a long-term, maintenance-free, performance.

## Benefits

- No grit blasting
- **Wet & rust tolerant**
- Can be applied and operate at 150°C
- Excellent thermal expansion and contraction characteristics
- No operational shutdown required for future maintenance work
- Long-term **maintenance-free** protection

Continued overleaf

1



2



3



### Photographs:

- No. 1 Original conditions
- No. 2 Steam pipes being mechanically prepared
- No. 3 After surface preparation

4



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Photographs:

- Nos. 4-5 Applying RL 500PF
- Nos. 6-9 Completed application

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