

Client: <i>V. Ships</i>	Industry: <i>Marine</i>
Vessel: <i>Self Discharging Bulk Carrier</i>	Date: <i>2008 - ongoing project</i>
Location: <i>Poland</i>	Products: <i>Epo-chem™ RS 500P & RA 500M</i>

Overview

The ballast tanks onboard the Self Discharging Bulk Carrier had previously been coated with coal-tar epoxy. Areas within these ballast tanks were now showing signs of corrosion damage and required to be patch repaired.

Challenge

To find a protective coating system which would be compatible with a coal-tar epoxy tank lining.

Solution

Chemco's Epo-chem™ RS 500P (primer) & RA 500M (topcoat) were selected as the protective coating system to be utilised as it is uniquely compatible with coal-tar epoxies. The areas which required the patch repair were mechanically prepared by power tooling to St2 standards. Upon completion of the surface preparation, one coat of **solvent-free, wet & rust tolerant Epo-chem™ RS 500P** was applied to the prepared areas. This was followed by one topcoat of **solvent-free, wet tolerant Epo-chem™ RA 500M**.

Outcome

The unique characteristics of **Epo-chem™ RS 500P** allowed the system to be applied with no compatibility issues and with strong adhesion to the coal-tar epoxy. The owners of this vessel are very satisfied with **Chemco** and issued a letter of recommendation. They also stated that after 5 years the coating is still in perfect condition.

Benefits

- Solvent-free
- No grit blasting
- Rust tolerant properties of **Epo-chem™ RS 500P**
- Compatibility with coal-tar epoxy
- Reduced H&S and Fire Precaution
- Substantial time and cost savings

Continued overleaf

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Photographs

- No. 1 Surface Prepared by Mechanical Preparation
- No. 2 Patch Repair Complete

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[Photographs](#)

- Nos. 3-4 Patch Repair Complete

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