

Client: <i>Niugini Oil Company</i>	Industry: <i>Petrochemical</i>
Scope: <i>Diesel Fuel Tank Lining</i>	Date: <i>February 2010</i>
Location: <i>Papua New Guinea</i>	Products: <i>RS 500P, RG 500 & RA 500M</i>

Overview

One of Niugini Oil Company's (NOC) galvanised zinc coated sectional bolted tanks required a new tank lining system after the original coating had perished in several places and fuel was seeping through the joints. There was also severe corrosion on the floor of the tank.

Challenge

An initial challenge for the NOC was to find a protective coating system suitable to be applied and function under tropical conditions. Working in daylight with high temperatures (up to 65°C inside the tank), in high humidity and within a given timeframe also added to the difficulties of this project.

Solution

The surfaces were firstly grit blasted to Sa 2.5 before being swept clean and vacuumed. One coat of **wet & rust tolerant Epo-chem™ RS 500P** was then applied. All joints and bolted areas were coated with flexible, **solvent-free epoxy Epo-flex™ RG 500** to close the seeping holes. This was followed by two coats of **solvent-free, wet tolerant Epo-chem™ RA 500M**.

Outcome

The project was completed on time, with no delays and the client was highly satisfied with the final outcome. Working in adverse weather conditions has no effect on the performance of the **Chemco** system.

Benefits

- Solvent-free
- Reduced H&S and Fire Precaution
- No humidity or dew point restrictions
- No overcoating limitations
- Excellent resistance to diesel fuel
- System can be applied in adverse weather conditions

Continued overleaf

1



2



Photographs

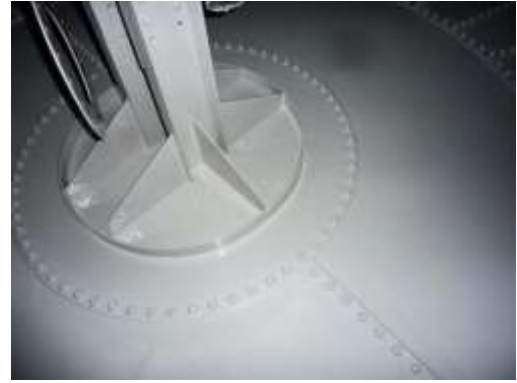
- Nos. 1 and 2 Before application
- Nos. 3 and 4 After application

***This project was carried out by Chemco's approved contractors Specialist Coatings Ltd (UK)**

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- 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

Web Site: www.chemcoint.com

