

Vol. XXII No.2

# Belzona Seals Tailshaft Liner



New liner fitted to shaft



Preparation and conditioning complete



Belzona<sup>®</sup> 2141 completed application



CASESTUDY

Tailshaft complete all works were undertaken on the lathe

# **STATISTICS**

**CUSTOMER** UK Coastal Tanker operator

APPLICATION DATE March 2005

SUBSTRATE Steel, bronze, and rubber

#### PRODUCTS

Belzona® 1111 Belzona® 2911 Belzona® 2941 Belzona® 2141

# **APPLICATION SITUATION**

240mm Tailshaft from a 2500 Tonne Deadweight Coastal Products Tanker, passing through aft peak tank.

### PROBLEM

The bronze liners had worn and required changing. The body of the tailshaft was coated with a vulcanized rubber lining which was generally intact. Following changing of the Bronze liner the Rubber lining was damaged and not sealing. This could have lead to crevice and bi-metallic corrosion.

## **APPLICATION METHOD**

The rubber lining was cut clean away, and roughened using the Belzona Roughing brush. The Bronze liner was tapered to meet the rubber, and left with a rough thread and rebate groove. Following gritblasting of the shaft, Belzona<sup>®</sup> 1111 was applied between the liner and lining. After Conditioning, Belzona<sup>®</sup> 2141 was applied to seal between the rubber and the bronze.

#### **BELZONA FACTS**

Using Belzona allowed the customer to take advantage of sealing between rigid and flexible surfaces and prevented the customer needing to strip the previous rubber lining from the shaft.

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