

BELZONA SEALS TAILSHAFT LINER

ID: 899



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 SITUATION

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

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® 1111 was applied between the liner and lining. After Conditioning, Belzona® 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.

INDUSTRY

Marine

LOCATION

UK Coastal Tanker operator

APPLICATION DATE

March 2005

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 2911 (Elastomer QD Conditioner)
Belzona 2941 (Elastomer SP-Conditioner)
Belzona 2141 (ACR-Fluid Elastomer)

SUBSTRATE

Steel, bronze and rubber

PHOTOS

1. New liner fitted to shaft
2. Preparation and conditioning complete
3. Belzona 2141 completed application
4. Tailshaft complete – all works were undertaken on the lathe

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Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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