

BELZONA SEALS TAILSHAFT LINER

ID: 899

Industry: Marine
Application: SOS-Ships and Offshore Structures

Customer Location: UK Coastal Tanker operator
Application Date: March 2005

Substrate: Steel, bronze and rubber
Products: * Belzona® 1111 (Super Metal) ,
* Belzona® 2911 (Elastomer QD Conditioner) ,
* Belzona® 2941 (Elastomer SP-Conditioner) ,
* Belzona® 2141 (ACR-Fluid Elastomer) ,

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.



Photograph Descriptions

- * New liner fitted to shaft ,
- * Preparation and conditioning complete ,
- * Belzona® 2141 completed application ,
- * Tailshaft complete – all works were undertaken on the lathe ,

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.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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**BELZONA**
Repair • Protect • Improve

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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