



TECHNICAL CIRCULAR No. 559 of 05th June 2019

To: All Surveyors/Auditors

Applicable to flag: All Flags

Lignum Vitae Ensures Operational Readiness

Reference: Tailshaft bearing

Lignum Vitae Ensures Operational Readiness

Lignum Vitae Gearing were used for a long time for propeller shaft water tightness.

There's a simple – old school, even – solution that can solve bearing problems and reduce some spending on ongoing maintenance and component replacements, all while ensuring that sea-going ship are ready for any situation. A bearing solution that is unmatched in its longevity, reliability and performance in extreme operating environments.

The propeller shaft bearings are water-lubricated bearings manufactured using genuine lignum vitae material. The original bearing material used in ships dating back to the 1860s, bearings made with lignum vitae material deliver low wear in abrasive water environments and have a high resistance to shock, loading and vibration. Bearings made with lignum vitae material have been documented in the *INS Vikramaditya* lasting more than 33 years without a single failure and reducing the need for costly ongoing maintenance. Self-lubricating, ABS and DNV-GL certified, lignum vitae bearings and seals also guarantee no harmful discharge, making them ideal for use in blue and brown water environments.

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REFERENCES:

- CONARINA Instructions

- ATTACHMENTS: No

Kindest Regards,
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