

FAST REBABBITTING RESPONSE KEEPS DRYDOCKING ON SCHEDULE

FORWARD AND AFT STERN TUBE BEARING REBABBITTING & MACHINING

During a drydocking period for a Crude Oil Tanker, babbitt material was found when the tail shaft was removed for inspections. Further investigation revealed that forward and aft stern tube bearings were damaged. The ship was under a tight schedule and the unanticipated work presented a serious challenge to keeping the vessel's drydocking schedule. The vessel's chief superintendent recognized the seriousness of the damage and immediately approached Goltens knowing that Goltens had the workshop capabilities and specialized experience to solve the problem for the large diameter stern tubes.

Goltens responded immediately and dispatched an experienced supervisor to check the forward and aft stern tube bearings and tail shaft condition. After review, Goltens provided a proposal that was accepted by the owner and class representative from De Norske Veritas and Goltens began the repair.

BEARING REMETALLING AND MACHINING REPAIRS:

- Inspection of aft and forward stern tube bearings after removal old damaged white metal bearing material;
- Rebabbitting the aft and forward stern tube bearings;
- Machining the inside diameter of the rebabbitted bearings according to the DNV specification;
- Calibration checks on the machined bearings and complete inspection by UT and dye checking;
- Inspection by Class surveyor and ship owner;
- Supervision of bearing installation procedure

STERN TUBE REPAIR RESULTS:

Goltens coordinated closely with the shipyard and vessel's class society and completed this rebabbing project within 5 days in order to keep the vessel's schedule on track.

PROJECT FACTS: STERN TUBE BEARINGS

Tonnage:	298,555 DWT
Shaft dimension:	OD: 741.00mm × L: 1630.00mm
Year Built:	2003

