

IN-SITU MACHINING OF STERN TUBE HOUSING

**QUICK RESPONSE AND EXPERT SERVICE
ALLOWS VESSEL TO KEEP ITS DRYDOCK
SCHEDULE**

Goltens received an inquiry from a shipyard in Shanghai to machine the stern tube housing on a vessel in drydock. Goltens quickly responded to the inquiry and was promptly awarded the job.

Goltens immediately mobilized a team of senior In Situ machinists, laser alignment equipment and its stern tube boring machinery to the shipyard.

Goltens senior engineers discussed and clarified the job scope and Goltens' repair procedures with the Quality Control Manager at the yard along with the owner's superintendent and were given approval to proceed.

Goltens performed a thorough inspection, boring and post boring inspection on the housing.

REPAIRS CONSISTED OF:

- Full inspection and cleaning of stern tube housing.
- Laser alignment checking of whole propeller shaft line from flywheel of M/E to stern.
- Boring the FWD stern tube housing to oversize 4.03mm.
- Boring the AFT stern tube housing to oversize 6.00mm.
- Measuring and checking of the final dimensions.
- Laser alignment checking of whole propeller shaft line again for double checking.
- Finish polishing by machine.

RESULTS:

Goltens service team completed the whole boring process within 7 days allowing the vessel to keep to its drydock schedule.

PROJECT FACTS: STERN TUBE BORING

Vessel:	M/V Cape
Engine:	MAN B&W 6S60MC (8,679KW)
Tonnage:	73,049 DWT
FWD Inside Dia X L:	658.00mm X 1250mm (+4.03mm)
AFT Inside Dia/Length:	660.00mm X 660mm (+6.00mm)

