

April 10, 1949.

S.S. "GLADYS MOLLER"

POSITION REGARDING SURVEYS.

Machinery items surveyed at Bombay: between 14.4.48 and 28.2.48:-

- Main turbo alternator
- Propulsion switch gear
- Two main boilers
- Propeller
- Tailshaft
- Seacocks
- Main condenser
- Auxiliary condenser
- No..1 turbo generator - turbine only
- Emergency generator engine
- Pumps - Circulating
 - Condensate 2 off
 - Oil fuel service 2 off
 - Oil fuel transfer 2 off
 - Fire 2 off
 - Sanitary 2 off
 - Bilge 2 off
 - Cargo oil 3 off
 - Main feed 2 off
 - Lubricating oil (Rotary) 1 off

The surveyor recommends that the main turbine rotor be re-examined on the ships arrival in the U.K. or before May 31, 1949. The condition of this rotor is not very satisfactory. The rotor shaft was found to be three to four thousands out of truth and the rotor still vibrates violently at 3350 R.P.M. although attempts were made in Bombay to straighten the rotor by heating. A service speed of 3100 R.P.M. was recommended for the voyage to the U.K. The first seven rows of blading are perforated in parts.

The only other outstanding defect in the items examined at Bombay refers to the main circulating low suction valve chest which is heavily corroded in the forward branch piece. It is recommended that this valve chest be renewed at the first opportunity.

Special attention should be given to the main propulsion motor spider which is of fabricated construction and has been patched where found cracked previously.

The precise equipment in the machinery space of this ship is not known but the /



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the following parts at least remain to be surveyed :-

Main propulsion motor
Intermediate shafting including thrust block and shaft
No. 1 auxiliary generator and exciter
No. 2 auxiliary turbine generator and exciter
Auxiliary electrical installation
Transformers
Evaporators
Boiler force draught fans
Pumping arrangements
Steering gear
Windlass
Remaining pumps, if any.

Hull survey. All requirements for a type 1 special survey will require to be carried out for classification purposes.



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