

COPY.

E1/T26

March 23, 1949.

Supt. Eng./GM/294/49

Dear Mr. Atkinson,

S. S. "GLADYS MOLLER"

With reference to yesterday's telephone conversation, hereunder is a list of the machinery items surveyed at Bombay:

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 ship's arrival in the U.K. or before May 31, 1949. The condition of this rotor is very satisfactory. The rotor shaft was found to be three to four thousand 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. is 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.

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

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Evaporators  
Boiler force draught fans  
Pumping arrangements  
Steering gear  
Windlass  
Remaining pumps, if any.

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

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

I hope this makes the position clear.

Yours faithfully,

(sgd) G.M. Sellar.

W. A. Atkinson Esq.,  
Messrs. Moller Line (U.K.) Ltd.,  
Quay Road,  
Blyth,  
NORTHUMBERLAND.



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