

# REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

(Received at London Office)

Date of writing Report... 10-7-1947... When handed in at Local Office... 11-7-1947... Port of... Antwerp.

No. in Survey held at... Antwerp... Date. First Survey... 6-11-46... Last Survey... 11-6-1947... (No. of Visits... 30...)

on the Machinery of the Wood, Iron or Steel... HEMBURY ex HMS. GREENWICH... Vessel built at... Newcastle-on-Tyne... Engines made at... Wallsend-on-Tyne... Boilers, when made (Main)... 1913... Owners... J & R. Grant Ltd... Owners' Address... London... Voyage... UK.

Particulars of Examination and Repairs (if any) Classification... Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs.

damage cases where the Surveyor has not made a special damage report he is required to state whether he offered his services for this purpose, and why they were declined

as a damage report made by anyone else? If so, by whom?

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes.

Did the Surveyor examine the Safety Valves of the Main Boilers? Yes.

Did the Surveyor examine the Safety Valves of the Donkey Boilers? Yes.

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes.

Did the Surveyor examine the drain plugs of the Main Boilers? None.

Did the Surveyor examine all the mountings of the Main Boilers? Yes.

Has the screw shaft now been drawn and examined? Yes. Has it a continuous liner? Yes.

Has the shaft now been changed? No. If so, state reasons.

Has an approved oil retaining appliance fitted at the after end? Yes.

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? Yes.

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done. Complete.

Now Done :- Vessel in Dry Dock - Examined Propeller - aft end of stem tube - under water fittings - Sea Cocks & Valves opened up - Tail Shaft drawn in - Examined opened up - Main engine - Cylinders - Pistons & Rods - Valves & Spacers - Crank - Thrust & Intermediate Shafts with Bearings - Attached Pumps - Condenser (tested) - Auxiliary Pumps - All Dynamo Engines (3) - Pumping Arrangements - Steam Pipes (tested to Rule Keys) - Electrical Installation - Steering gear & Windlass. Main & Donkey boilers in their entirety with doors & mountings opened up - Safety Valves afterwards adjusted under steam as noted above.

In accordance with the Secretary's Letters - The boilers & machinery have been opened up & examined - as above. The scantlings of the boilers & shafting found to be in accordance with the approved Plans and the diameter of the intermediate shafting in accordance with the Rules, the Pumping Arrangements &c. The Machinery of this Vessel is in my opinion in good condition eligible for records LMC 6-47 & ISCL 2-47 and notations 35B.180 lb. OB.100 lb.

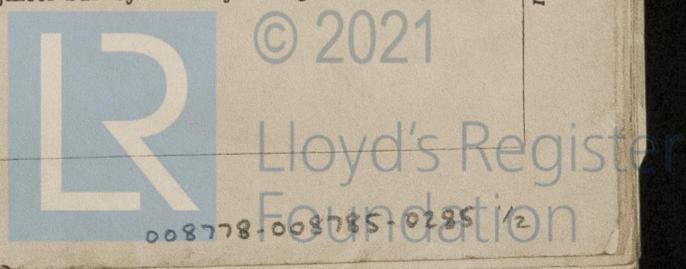
General Observations, Opinion, and Recommendation: (State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.; thus, for example, BS 9.11, B&MS 9.11, LMC 9.11 or LMC 140 lb., FD, &c.)

Survey Fee (per Section 29) £13.75 - Tax £10. - Fees applied for 15-7-1947. Special Damage or Repair Fee (if any) £26.50 - Electrical £42.40 - Received by me. Travelling expenses (if chargeable) £25.35 - Late attendance £2.50 - Committee's Minute LMC 6.47 S (C.L.) 2.47 F.D. 2 SB 180 lb OB 100 lb

Assigned LMC 6.47 S (C.L.) 2.47 F.D. 2 SB 180 lb OB 100 lb. J.S. Martin Engineer Surveyor to Lloyd's Register of Shipping. 25 JUL 1947

Insert Character of Ship and Machinery precisely as in the Register Book.

Is a Certificate required? If so, to be sent to



S.S. HEMBURY EX H.M.S. GREENWICH.

and Electrical Equipment: examined & found in accordance with the Approved Plans.

The Machinery after completion of the undernoted repairs tried under working conditions with satisfactory results. Ist Sulph. Machinery - Copies of Approved Plans & Cert. Attached.

Repairs. Minor repairs effected to Suction & Delivery valves of Main Engine attached Pumps.

aux. Com. Pump. - All main bearing & bottom end bearings: reinstalled - crosshead pins & bearing brasses - renewed.

The pistons & bucket rings of Both Feed & S.S. Pump renewed.

Pumping Arrangements - Ist Eng Room Direct Suction Value cover - renewed also one length of Forepeak Suction piping

Electrical Installation - Examined & tested for Insulation Resistance & trial. The Main Switchboard with fittings renewed in its entirety. The fittings on Distribution Switchboards etc and the cables throughout examined & on completion of minor repairs found satisfactory.

Main Boilers. - All Furnaces renewed (Cert Attached). Together with all Plain & Stay tubes Grooving in way of Hanging of front end plates: cut out F.E.W. Minor repairs effected to boiler mountings.

Donkey boiler :- All Plain & Stay tubes - renewed - Minor repairs to boiler mountings.

All Boilers: examined under hydraulic test on completion of above repairs.

Note. Total Capacity of Generators: 37½ Kilowatts from 2 Machines @ 15kw. each & 1 machine @ 7½ kw. (all Steam driven) situated at Starboard side of Engine Room.