

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

(Received at London Office)

Date of writing Report... 10-7-47... When handed in at Local Office... 11-7-47... 19... 47... Port of... Antwerp.

No. in Survey held at... Antwerp... Date. First Survey... 6-11-46... Last Survey... 11-6-47... (No. of Visits... 30...)

on the Machinery of the Wood, Iron or Steel... HEMBURY ex HMS. GREENWICH

Gross 4974 Vessel built at... Newcastle-on-Tyne By whom... William Robson & Co. When... 1915

Net 4508 Engines made at... Wallsend-on-Tyne By whom... Swan, Hunter & Wigham Richardson When... 1913

Nominally 384 Boilers, when made (Main)... 1913. (Donkey)... Owners... J & R. Grant Ltd. Owners' Address... (if not already reported in Appendix to Register Book.)

No. of Main Boilers 258 Managers... Port... London Voyage... V.K.

No. of Donkey Boilers 158 If Surveyed Afloat or in Dry Dock... Both No 700hp etc. (State name of Dock.)

Steam Pressure... in Main Boilers... 180 lb. in Donkey Boilers... 100 lb.

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER... for Special Survey. Date of last Survey and of Periodical Surveys. Years and months expired. Machinery and Boiler Surveys (including date of N.B., if any)

Classification Contemplated

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.

" " Donkey " " " " Yes.

not, state for what reasons? What parts of the Boilers could not be thus thoroughly examined?

What special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler?

State latest date of internal examination of each boiler Main & Donkey. Present condition of funnel(s) Good.

Did the Surveyor examine the Safety Valves of the Main Boilers? Yes. To what pressure were they afterwards adjusted under steam? 180 lbs/sq. in.

Did the Surveyor examine the Safety Valves of the Donkey Boilers? Yes. To what pressure were they afterwards adjusted under steam? 100 lbs/sq. in.

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

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

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

Has the screw shaft now been drawn and examined? Yes. Has it a continuous liner? Yes. Is an approved oil retaining appliance fitted at the after end? No.

Has shaft now been changed? No. If so, state reasons. Has the shaft now fitted been previously used? Yes. Has it a continuous liner? Yes.

Is an approved oil retaining appliance fitted at the after end? Yes. State date of examination of Screw Shaft. State the wear down in the stern bush. Rose fit.

Is electric light and/or power fitted? Yes. If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? 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 stern tube - under water fastenings -

Sea Cocks & Valves opened up - Tail Shaft drawn in

Examined opened up - Main Engine - Cylinders - Pistons & Rods - Valves & Fittings - Crank - Thrust &

Intermediate Shafts with Bearings - Attached Pumps - Condenser (tested). Auxiliary Pumps. - All Dynamo

Engines (3) - Pumping Arrangements - Steam Pipes (tested to Rule Regs). - 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 Soundings 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

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 or LMC 9.11 or LMC 140 lb., PD, &c.)

Condition eligible for Records LMC 6-47 & ISCL 2-47 and Notations 35B.180 lb. OB.100 lb.

Survey Fee (per Section 29) Class. 13775.- Tax 10.- Fees applied for 15-7-1947

Special Damage or Repair Fee (if any) 26500.- Received by me, 19

Travelling expenses (if chargeable) 2535.- Late attendance 250.- Committee's Minute 25 JUL 1947

Assigned LMC 6.47 S (C.L.) 2.47 F.D. 2 SB 180 lb. OB 100 lb.

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

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



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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 Suction Machinery - Copies of Approved Plans & Cert. Attached.

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

1st Suction Pump. - All main bearing & bottom end bearings: Reinstalled - Crosshead pins & bearing brasses - renewed.

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

Pumping Arrangements - 1st Eng Room Direct Suction Valve cover - renewed also one length of Forepeak Suction piping.

Electrical Installation - Examined & tested for Insulation Resistance & tried. 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 H.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: $37\frac{1}{2}$ Kilowatts from 2 Machines @ 15 kw. each & 1 machine @ $7\frac{1}{2}$ kw. (all Steam driven) situated at Starboard side of Engine Room.