

Report of Survey for Repairs, &c., of Engines and Boilers:

No. 78263

(Received at London Office SAT OCT 19 1918)

17 OCT 1918 17 OCT 1918 Port of LIVERPOOL

Survey held at Birkenhead. Date, First Survey Sept 27 Last Survey Oct 11 1918

on the Machinery of the Wood, Iron or Steel L. Moorgate. Master (No. of Visits 60)

GROSS 1259.65 Vessel built at Sunderland By whom J. L. Thompson & Sons Ltd. When 1907. 8.

Net 1050. Engines made at " By whom J. Dickinson & Sons Ltd. When 1907.

Boilers 2 Boilers, when made (Main) 1918. (Donkey) 1907

Boilers 1 Owners Shipping Controller H. W. L. P. Port Voyage

Boilers 180 If Surveyed Afloat or in Dry Dock (State name of Dock.) Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Boilers 90 Report No. Port

Particulars of Examination and Repairs (if any) Damage.

Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the repairs, if any, and, in detail, the nature and extent of examinations and subsequent repairs. Repairs on Damage (the cause of which must be stated) should be separated from repairs due to other causes; and any detailed in the body of the report, should be briefly summarised at the end of the report. State also the initials of any letters respecting this case.

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 not required.

Was a damage report made by anyone else? If so, by whom? Hay & Smart.

Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? New Boilers fitted

Donkey " " " yes.

not done, state for what reasons?

Parts of the Boilers could not be thus thoroughly examined?

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?

Surveyor examine the Safety Valves of the Main Boiler? yes. To what pressure were they afterwards adjusted under steam? 185 lbs.

Surveyor examine the Safety Valves of Donkey Boiler? yes. To what pressure were they afterwards adjusted under steam? 90 lbs.

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

Surveyor examine the drain plugs of the Main Boilers? yes. and of the Donkey Boiler? yes.

Surveyor examine all the mountings of the Main Boilers? yes. and of the Donkey Boiler? yes.

Shaft now been drawn and examined? yes. Is it fitted with continuous liner? yes. or two liners? or is it without liners?

Now been changed? no If so, state reasons

Now fitted new? Has it a continuous liner? or two liners? or is it without liners?

Distance between lignum vitae of stern bush and top of after bearing of screw shaft? good fit.

If not complete state what arrangements have been made for its completion and what remains to be done? Complete.

Plb. & Damage Repairs, due to stranding and submersion; the main Boilers being lost, columns, thrust block & details of engines & connections being broken.

The engines & all machinery were removed, overhauled & repaired as under & refitted on board.

All cylinders, pistons, slide valves & faces, pumps & valves, condenser, crank, thrust, tunnel & tailshaft drawn in, propeller, steering & fastenings, sea connections, sea cocks & valves, bilge connections examined. Donkey Boiler examined throughout with its safety valves & mountings & the safety valves adjusted as above.

New Main Boilers fitted - Gls. Rpt. 38016 - & their safety valves

Observations, Opinion, and Recommendation:— This vessel's machinery is in nearly 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, B.S. 9, 11, B.M.S. 11, or L.M.C. 9, 11, 10 lb., F.D., &c.) and working order - eligible to be classed & to have records of Plb 10.18. NB 10.18 - 180 lbs. 8 cor. f. G.S. 143 & H.S. 5210 f. NHP 342. & Pl 10.18.

Section 28) £ 5.10.0 Fees applied for 17 OCT 1918
or Repair Fee (if any) £ 42 0 0 Received by me, A. J. Barnett
Section 29) £ : : 44 14 19
Dues (if chargeable) £ : :
Surveyor to Lloyd's Register of Shipping.

tee's Minute
Machinery Certificate
L 10 6 10 18
NB
note 2.1.
FRI 31 JAN 1919
TUE 29 JUL 1919
When Fee is paid.

21/10/18 due 8.15 now held

Damage by Standing Water

Extensive repairs effected

New M. Boiler fitted

Seven shafts drawn & examined

It is submitted that this vessel is eligible for

THE RECORD. + LMC 10.18

+ N.B. 10.18.

S. 10.18

Note 8 of HS 5210.

N.H.P. 343

W.D.A.

26/10/18.

N.B. - If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

S.S. Moorgate.

Damage.

adjusted as above.

On completion a short trial trip was run and the machinery found to be working satisfactory.

Repairs.

Shaft block complete + M.P. + E.P. front columns renewed.

Cracked M.P. cylinder foot outer flange at front column. +

Condenser foot flange at after end of bedplate repaired with substantial wrought iron plates & bolts.

M.P. piston valve chamber, + M.P. + E.P. cylinders rebored and rings renewed.

Condenser tubes removed, partly renewed & repacked.

All cylinders, casings, condensers & pumps tested when

jointed up by soft head of water & found sound & tight.

All pumps overhauled & small repairs effected.

All shafting examined in lathe & couplings refaced & bolts

partly renewed. Shafts & Crankshafts skimmed up.

All main bearings & crank pins remounted.

All valve spindles, piston & connecting rods skimmed & rebashed.

All slide valves & M.P. + E.P. ahead guides & shoes planed up.

Propeller renewed. Sea cocks & valves refitted. Main injection renewed.

Tank & bilge connections renewed.

General service D.Ky. Pumps Ash hoist renewed. Aux. Feed

Pump water end renewed. Ballast D.Ky. Pump overhauled &

partly renewed. Evaporator overhauled.

Engine Room telegraph, all fittings, gauges, & details of connections renewed.

New uptakes funnel fitted to new Main Boilers.

D.Ky. Boiler refitted. Mountings overhauled & details & pipe

connections partly renewed.

Main steam pipes renewed. 2 iron pipes tested to 540 lbs. & one

length of solid drawn copper pipe to 360 lbs. & new chests,

expansion joints & connections satisfactorily fitted & tested.

All aux. steam, exhaust, feed, & suction & delivery pipes to

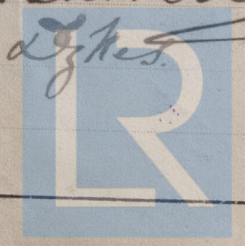
engines renewed.

New spare gear complete supplied.

Electric light engine & dynamo & all wiring renewed.

Windlass & steering engines overhauled & examined.

A. J. Barnett
J. M. Dyer



11726-0105 1/2