

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

(Received at London Office)

19 APR 1950

Date of writing Report 13 APR 1950 When handed in at Local Office 13 APR 1950 10 Port of Liverpool
 No in Reg. Book. Survey held at Liverpool Date First Survey 11/1/50 Last Survey 30/3/50 19
 2432 on the Machinery of the Wood Iron Stegl. Screw steamer Hilary (No. of Visits NINE)

Gross Tonnage 7420 Vessel built at Birkenhead. By whom Cammell Laird & Co. Ltd. Year 1931 Month 8
 Net Tonnage 4268 Engines made at -do- By whom -do- When 1931
 Nominal Horse Power 1033 Boilers, when made (Main) 1931 (Donkey) - When 1931
 No. of Main Boilers 5 (Spt) Owners Booth S.S. Co. Ltd. Owners' Address -
 No. of Donkey Boilers - Managers - (if not already recorded in Appendix to Register Book.)
 Steam Pressure in Main Boilers 230 If Surveyed Afloat or in Dry Dock Kings Canada Dock Port Liverpool. Voyage -
 in Donkey Boilers - Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Particulars of Examination and Repairs (if any) Shg. B.S. Conn. S. Sh. The
 Periodical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the use of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on count of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case.

CHARACTER * for Special Survey, Date of last Survey and of Periodical Surveys.	Years assigned how expired.	Machinery and Boiler Surveys (including date of N.B., if any)
*100A1 with Fbd.		*LMC 9,46.
1,49.		BS 249.
SS. BKN. -9,46.		TS CL 12,48.

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 Yes, not required
 Is a damage report made by anyone else? If so, by whom? Yes, underwritten
 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? Yes
 Date of latest date of internal examination of each boiler 17.11.49 Present condition of funnel(s) Efficient
 Did the Surveyor examine the Safety Valves of the Main Boilers? Yes To what pressure were they afterwards adjusted under steam? 240 + Sup 230 lbs/sq
 Did the Surveyor examine the Safety Valves of the Donkey Boilers? Yes To what pressure were they afterwards adjusted under steam? Yes
 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? Yes 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? No Has it a continuous liner? Yes Is an approved oil retaining appliance fitted at the after end? Yes
 Has the shaft now been changed? Yes If so, state reasons Yes 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 Yes State the wear down in the stern bush Classific Is electric light and/or power fitted? Yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? No
 Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? No

Engine parts, when referred to by numbers, should be counted from forward to aft.
 If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done. Docking, B.S. + Sh. complete
 To complete the Machinery special Survey all Rule requirements with the exception of the undermentioned items require to be carried out. When state survey will be advanced in the near future

How done for Docking: The vessel placed in drydock, examined the propeller, sea connections (opened) + outside fastenings + found or placed in good condition.

Boiler Survey: All boilers examined internally + externally with all abus. mountings + fastenings + found or placed in good condition. On completion the boilers were examined under steaming conditions, the safety valves adjusted + the O.F. burning + fire extinguishing

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&S 9,11, *LMC 9,11 or *LMC 140 lb., FD, &c.)

CS 3,34
 The machinery of this vessel, as far as now seen, is in an efficient condition + eligible in my opinion to remain as classed with fresh record of B.S. 2.50 + *LMC with date of completion + without condition regarding the S.P. valves + propeller + outside fastenings

Survey Fee (per Section 29) B.S. 20 0 0
 Special Damage + Repair Fee (if any) bonn. S. 15 0 0
 Travelling expenses (if chargeable) 8 8 0
 Fees applied for 14 APR 1950
 Received by me, Hollison

Committee's Minute LIVERPOOL 18 APR 1950
 Assigned As now without Special Conditions
B.S. 2.50.

Hollison
 Engineer Surveyor to Lloyd's Register of Shipping.



005307-005310-0066

Arrangements examined + found satisfactory
Commencement of Special Survey: Examined the
H.P. I.P. + L.P. cylinders, pistons, valves, chests + rods, &
crankpin + bearings, journals + bearings, the main
chest, the intermediate shafting + bearings, the
attached air, bilge + sanitary pumps in their
entirety, the independent circulating pump + its
forward engine, the auxiliary feed pump, the forward
sanitary pump, the fan engine, port dynamo engine
the windlass, steering engine + auxiliary condenser
on list + found or placed in good condition.

S.R.L.: It is submitted that the items regarding the
I.P. valve + propeller + outside fastenings may be
deleted from the Special Reason's List the
having been dealt with as shown below.

Damage Repairs: The following repairs carried out
account of the grounding stated to have occurred
on the 15th May 49 in the Amazon River while on a passage from
Para to Manaus. See Lis: R.R. 9 N: 129098. :-

New cone + new spare propeller blades fitted

Wear + Tear Repairs: H.P. cylinder bored out + new
Lockwood + barlyte rings fitted, new I.P. valve + face
fitted, new rubbing strips fitted to circulating
pump, minor repairs to other auxiliaries. Port of
boiler 7 cc. side stays renewed, minor repairs to
boiler mountings.

Notes
B.S. due 2.50 now paid.
M.S. due 7.50 partly paid.
Without Special Conditions
[Signature]
20/4/50