

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

(Received at London Office 23 SEP 1948)

Date of writing Report 22-9-1948 When handed in at Local Office 22-9-1948 Port of WEST HARTLEPOOL.  
 No. in Reg. Book 57820 Survey held at WEST HARTLEPOOL. Date. First Survey 20-2-47 Last Survey 2-9-1947  
 on the Machinery of the ~~Wood~~ Steel s.t. "ELENA". (No. of Visits 13)

Tonnage { Gross 257 Vessel built at Aberdeen. By whom A. Hall & Co. Ltd. Year. Month. 1921  
 Net 100 Engines made at Aberdeen. By whom A. Hall & Co. Ltd. When 1921  
 Standard Horse Power MN 93 Boilers, when made (Main) 1921 (Donkey) -  
 No. of Main Boilers 1 SB Owners Shire Trawlers Ltd. A. Hay Owners' Address -  
 No. of Donkey Boilers - Managers W. A. Bennett. (if not already recorded in Appendix to Register Book.)  
 Steam Pressure in Main Boilers 180 lb Port Fleetwood. Voyage -  
 in Donkey Boilers - If Surveyed Afloat or in Dry Dock Irvine's Dry Dock.

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 assigned now expired.	Machinery and Boiler Surveys (including date of N.B., if any)
<u>100 A1 steam trailer 11.39.</u>		<u>TS CL N 5.38.</u>
<u>ssFlt.No.3-10.38.</u>		<u>LMC MS-10.38 AS-5.39</u>
<u>PLATING AT 24 YEARS &amp;c.</u>		

Last Report No. \_\_\_\_\_ Port \_\_\_\_\_  
 Particulars of Examination and Repairs (if any) L.M.C. & T.S.

(Periodical Surveys, when held, must be reported in detail and serialim 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. Repairs on account 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.)

In 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 \_\_\_\_\_

Was 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 " " " "

If 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 10.6.47.

Did the Surveyor examine the Safety Valves of the Main Boilers? yes. Present condition of funnel(s) good.

Did the Surveyor examine the Safety Valves of the Donkey Boilers? \_\_\_\_\_ To what pressure were they afterwards adjusted under steam? not adjusted

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? yes \_\_\_\_\_ and of the Donkey Boilers? \_\_\_\_\_

Did the Surveyor examine the drain plugs of the Main Boilers? none fitted \_\_\_\_\_ and of the Donkey Boilers? \_\_\_\_\_

Did the Surveyor examine all the mountings of the Main Boilers? yes \_\_\_\_\_ and of the Donkey Boilers? \_\_\_\_\_

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? \_\_\_\_\_

Has shaft now been changed? no If so, state reasons \_\_\_\_\_ Has the shaft now fitted been previously used? \_\_\_\_\_ Has it a continuous liner? \_\_\_\_\_

Is an approved oil retaining appliance fitted at the after end? \_\_\_\_\_ State date of examination of Screw Shaft 25.2.47 State the wear down in the stern bush 1/8" 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.

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done. To complete the L.M.C., the following remains to be carried out - Examination of main condensers, steering and windlass engines, pumping arrangements, electric lighting installation & generator engine. Repairs remain to complete on stems as mentioned below and the Boiler safety valves remain to be adjusted under steam on completion.

This vessel has been sold. The new owners - Messrs Alexander Hay have arranged to tow the vessel to Aberdeen.

How done - Propeller, outside fastenings of sea connection, sea cocks and valves and Tail End shaft, examined and placed in good order.

Cylinders, pistons, valves, all shafting & pumps opened out, examined and placed in good order.

The Boilers examined together with their safety valves, mountings, doors and fastenings and repairs recommended.

Main steam pipes examined tested to 360 lb p sq inch (See over)

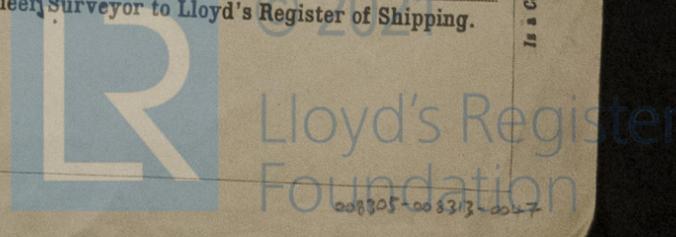
General Observations, Opinion, and Recommendation: The machinery of this vessel is, in out opinion eligible to remain as classed and to have records of L.M.C with date of & when the survey has been completed and necessary repairs carried out, and record of Tail Shaft seen (Cl) 2.47.

Survey Fee (per Section 29) £ 7 0 0 Fees applied for \_\_\_\_\_  
 Special Damage or Repair Fee (if any) £ \_\_\_\_\_  
 Travelling expenses (if chargeable) £ \_\_\_\_\_  
 Received by me, \_\_\_\_\_

John Inlay for self & S. Wood  
 Engineer/Surveyor to Lloyd's Register of Shipping.

FRI. 15 OCT 1948

Committee's Minute \_\_\_\_\_  
 Assigned \_\_\_\_\_



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

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

Repairs etc

Propeller Key refitted.

Cylinder - MP & P piston rings renewed

Shafting - Thrust shaft machined. Thrust bearings reinstalled but  
not refitted

Piston & Valve rods - machined, gland neck bushes renewed.

MP Bottom end - reinstalled.

Circulating pump - overhauled minor adjustments effected  
& engine. Impeller shaft renewed but not refitted

General Service pump - Piston rings renewed. Rocker arm renewed.

Feed. Bilge & Air pumps - overhauled minor adjustments effected.

Boiler - All plain tubes to be renewed: Port and Centre box tubes  
fitted. Tubes for Starboard box placed on board.

3. Stay Tubes to be renewed - Taken out but new tubes  
not yet fitted.

Several back c.c stays renewed.

Grids stays renewed.

Front end plate built up in way centre furnace where  
somewhat grooved.

Boiler mountings. opened out, overhauled. Several valves & seats  
machined. Check valve lid renewed & several minor  
repairs effected.

Electrical Installation - <sup>A</sup> no examination made.



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