

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

(Received at London Office) 4 APR 1944

Date of writing Report 25 March 1944 When handed in at Local Office 25 March 1944 Port of London

No. in Reg. Book 22754 Survey held at London Date First Survey 21 December '43 Last Survey 23 February 1944 (No. of Visits 6)

on the Machinery of the ~~Wood, Iron or~~ Steel DOVER HILL Year. Month. 1918. 3

Tonnage Gross 5815 Vessel built at Newcastle By whom Northumberland & B Co Ltd When 1918. 3
Net 3621 Engines made at Newcastle By whom N.E. Mar. Eng. Co Ltd When 1918

Nominal Horse Power 569 Boilers, when made (Main) 1918 (Donkey)
No. of Main Boilers 3SE Owners Dover Hill & Co Ltd Owners' Address (if not already recorded in Appendix to Register Book.)
No. of Donkey Boilers 1 Steam Pressure in Main Boilers 180 lbs Managers Counties Ship Management Co Port Glasgow Voyage

in Donkey Boilers 1 Surveved Afloat in Dry Dock Surrey and Victoria Docks Union Dry Dock

Last Report No. Port

Particulars of Examination and Repairs (if any) Pt. Gen Exam & pt. B.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. P.S. only

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

If not, state for what reasons Centre boiler under steam 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 Port: 13/1/44 Starbd: 10/1/44 Present condition of funnel(s) To be done

Did the Surveyor examine the Safety Valves of the Main Boilers? Yes. Port & starbd To what pressure were they afterwards adjusted under steam?

Did the Surveyor examine the Safety Valves of the Donkey Boilers? Yes To what pressure were they afterwards adjusted under steam?

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

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

Did the Surveyor examine the drain plugs of the Main Boilers? Yes. Port & starbd, and of the Donkey Boilers?

Did the Surveyor examine all the mountings of the Main Boilers? Yes. Port & starbd, and of the Donkey Boilers?

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

Has shaft now been changed? 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 State the wear down in the stern bush Is electric light and/or power fitted? If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses?

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

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

Now done: Vessel placed in dry dock. Propeller, after end of stern bush, outside fastenings examined and found in good condition. Auxiliary condenser, after indep' feed pump, inboard dynamo, turning engine opened out and working parts examined. Port and starboard boilers examined internally and externally, safety valves, mountings, manhole doors. Recommendations: Auxiliary condenser ferrules found defective to be renewed, tubes to be removed for examination (several found plugged), after tube plate reported leaking to rejoin. Port boiler port and centre furnaces found fractured at line of firebars to be electric welded. Port and starboard boiler furnaces found distorted to be gauged. The Owners Representative's attention was drawn to the screw shaft survey being overdue. After the foregoing recommendations had been made the vessel was taken over by the Government. See letter from the Owners dated 23/3/43.

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.) CS 3.34.

Submitted for the information of the Committee

Survey Fee (per Section 29) 35 £ 4 : 0 : 0 Fees APR 1944

Special Damage or Repair Fee (if any) £ : : Received by me, 19

Travelling expenses (if chargeable) £ : : G. B. Jones & Thomas Engineer Surveyors to Lloyd's Register of Shipping.

Committee's Minute Assigned

Assigned for class of Committee

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

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

ELECTRICAL INSTALLATION.

The Electrical Installation was found to be in need of extensive overhaul and repair. Work was commenced on part-rewiring of the starboard cabin midships - but was suspended.

2/10/41

As due 5x2 part held
2 1/2 p3 due 5x2 part held 9.4.41
advised.
2 1/2 part held

The Res. equipment to Auxiliary
Condenser are in need of
repair.
The vessel has been referred to
the Special Service & the
works and repairs may
not be completed.
Submitted for the
consideration of
the Committee

1/1/41

