

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

(Received at London Office JAN 24 1941)

22 JAN 1941

Port of HULL

Date First Survey Jan 8 Last Survey 15 1941 (No. of Visits 5)

Survey held at Hull on the Machinery of the Wood, Iron or Steel HOLYSTONE

Vessel built at Sunderland By whom Short Bros Ltd. When 1927-12

Engines made at Do By whom Dickinson Sons Ltd. When 1927

Boilers, when made (Main) 1927. (Donkey) 1927

Owners Northumbrian Shipping Co Ltd. Owners' Address (if not already recorded in Appendix to Register Book.)

Managers Common Bros Ltd. Port Newcastle. Voyage

Surveyed Afloat in Dry Dock King George Dock Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements). * 100 A1 5.39. S.S. Sbl. N° 2-36 * LMC 4.36. BS 2.40. TS (a) 4.40.

Report No. Port

Particulars of Examination and Repairs (if any) General Exam., B.S.

Medical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly 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 the nature and extent of such damage being detailed in the body of the report, should be briefly summarised at the end of the report. State also the names and initials of any letters respecting this case.

Damage cases where the Surveyor has not made a special damage report he is required to state whether he has offered his services for this purpose, and why they were declined.

Has a damage report made by anyone else? If so, by whom?

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

Has the Surveyor personally go inside each Donkey Boiler separately and make a thorough examination at this time? Yes, but not passed - see below.

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?

Latest date of internal examination of each boiler Stand. 8.1.41. Port 10.1.41. Present condition of funnel(s) Good

Has the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 220 lb.

Has the Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam? Not adjusted.

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

Has the Surveyor examine the drain plugs of the Main Boilers? Yes, and of the Donkey Boilers? Yes

Has 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? Is it fitted with continuous liner? Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

Has the shaft now fitted been previously used? Has it a continuous liner? Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

Date of examination of Screw Shaft State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft

Engine parts, when referred to by numbers, should be counted from forward. Is electric light fitted? Yes

Did the Surveyor examine the generators, motors, switchgear, cables and fuses? Generally only.

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? Yes

Is the Survey not complete, state what arrangements have been made for its completion and what remains to be done To complete the Survey the donkey boiler to examine in water space, donkey boiler to examine under steam and its safety valves adjust also donkey boiler feed check valve to renew. It was stated this would be done on vessel's return to U.K.

Done: Generally examined main engines & shafting and auxiliary engines without opening up. examined valves of main engines through sight doors. A number of pipes under engine platform tested. Examined electric engine, dynamo, switchboards & circuits and megger tested same machinery & under working conditions and found satisfactory. Examined two main and one donkey boilers generally and thoroughly with all mountings, doors & fastenings. The port boiler port low furnace found to have slight cracks which were welded & electric welded. The port boiler furnace, in my opinion, should be specially examined in approximately six months' time. [Limit later attached herewith]

General Observations, Opinion, and Recommendation: Eligible to remain as classed with record (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, B.S. 9.11, E.&M.S. 9.11, * L.M.C. 9.11, or * L.M.C. 140 lb., F.D., &c.)

L.R. Examined 1.41 and B.S. 1.41 on completion subject to port main boiler furnaces being specially examined before end of July 1941.

Signature: W.S. Shields, Engineer Surveyor to Lloyd's Register of Shipping.

Received by me, 19. Fees applied for 19.

Committee's Minute: Deferred

Signature: [Signature]

Date: FEB 28 1941

Date: FEB 11 1941

Date: FEB 11 1941

Date: FEB 11 1941

Date: FEB 11 1941

The donkey boiler could not be passed internally on the water spaces as insufficiently cleaned of scale and rust.

Examined main boilers under steam and adjusted their safety valves as above.

From the Chief engineers log book obtains dates of parts examined as follows:-

- 10/40 aft HP cylinder, piston opened up, cleaned & examined - new junk ring bolts rings fitted.
- " " " bottom end examined bearings rebedded.
- " Both doors of main Condenser off & cleaned.
- 7/40 all main engine bottom ends adjusted.
- " aft HP cylinder & piston opened out, examined rings replaced.
- 6/40 all main engine main bearings adjusted.
- " Thrust bearing bottom half remetalled.
- 4/40 All main engines valves (poppet) overhauled.
- 2/40 HP cylinder & piston examined.
- 1/40 Forward LP bottom end remetalled.
- 9/39 main condenser cleaned.
- 7/39 aft LP valves examined.
- 12/38 aft HP bottom end remetalled.
- " aft LP valves examined.
- 6/38 main condenser cleaned.
- 11/37 Forward LP bottom end remetalled.
- 1/37 Forward HP bottom end remetalled.

W.S.S.



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