Rpt. 9.

No. 97668

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

(Received at London Office JUL 29 1939)

Date of writing Report 22-7-1939 When handed in at Local Office 27/7/1939 Port of NEWCASTLE-ON-TYNE

No. in Reg. Book. 23418 Survey held at Hebburn-on-Tyne Date, First Survey 5-6-39 Last Survey 21-7-1939 (No. of Visits 5)

on the Machinery of the ~~Wood, Iron or~~ Steel S.S. "Doric Star"

Tonnage { Gross 10086 / Net 6347

Nominal Horse Power { 1398

No. of Main Boilers 6

No. of Donkey Boilers ✓

Steam Pressure— in Main Boilers 200 lb

in Donkey Boilers ✓

Vessel built at Port Glasgow By whom Lithgows Ltd. When 1921-10 mo

Engines made at Manchester By whom Metr. Vickers Elec. Co. Ltd. When 1921

Boilers, when made (Main) 1921 (Donkey) ✓

Owners Union Cold Storage Co. Ltd. Owners' Address ✓ (if not already recorded in Appendix to Register Book.)

Managers Blue Star Line Ltd. Port London Voyage London-Australia

If Surveyed Afloat or in Dry Dock afloat, Palmers H.&W. (State name of Dock.)

Last Report No. Port

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).
+100 A1		+LMC
with freeboard		M.S. 8.38
1.39		B.S. 1.39
M. Tun. No. 3 — 1.34		T.S. 9.36 C.L.
" " No. 1 — 38		+Lloyds RMC
		1,39
Fitted for oil fuel 10,21		FP above 150°F

Particulars of Examination and Repairs (if any) T.S. & Repairs

(Periodical Surveys, when held, must be reported in detail and seriatim 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? ✓

" " Donkey " " " ✓

If this was not done, state for what reasons? ✓

And what parts of the Boilers could not be thus thoroughly examined? ✓

Also 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 ✓ Present condition of funnel(s) ✓

Did the Surveyor examine the Safety Valves of the Main Boiler? ✓ To what pressure were they afterwards adjusted under steam? ✓

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

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

Did the Surveyor examine the drain plugs of the Main Boilers? ✓, and of the Donkey Boilers? ✓

Did the Surveyor examine all the mountings of the Main Boilers? ✓, and of the Donkey Boilers? ✓

Has screw shaft now been drawn and examined? Yes Is it fitted with continuous liner? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

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 appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

State date of examination of Screw Shaft 19.7.39 State the distance between lignum vitæ or bearing metal of stern bush and top of after bearing of screw shaft Renewed

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

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.? ✓

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

Now done:- Vessel in drydock. Examined propeller, screw shaft, stern bush & outside fastenings of gas connections, H.P. & L.P. turbine rotors & casings.

Repairs:- Stern bush lower half renewed. L.P. turbine No. 4 diaphragm plate renewed, Pseudo disc at fore end of shaft renewed.

Repairs & damage stated caused by fire in the 21st ultimo whilst lying alongside quay at Palmers, Hebburn:- Fore & after bilge bilges partly relagged. Tank & Bilge piping in way removed, examined, regalvanised as necessary & refitted. Some flanges, where doubtful, welded to pipes. Ash corks & blow down opened out & examined. Drummer cocks gear for blows and blow. valves, overhauled, parts renewed as required, tested & refitted.

General Observations, Opinion, and Recommendation:— The Machinery of this vessel, as far as now seen, is eligible in our opinion to remain as classed with fresh record of T.S. 7.39 C.L.

(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, B.&M.S. 9,11, ✠ L.M.C. 9,11, or ✠LMC CS 3,34, 140 lb., F.D., &c.)

Survey Fee (per Section 29) £ : :

Special Damage or Repair Fee (if any) (per Section 29.) £ 2 : 2 : 0

Travelling expenses (if chargeable) £ : :

Fees applied for 27 JUL 1939

Received by me, 16/8 1939

FM 18 AUG 1939

Committee's Minute

Assigned Asnow

5.7.39

Geo. H. Hurlard

Engineer Surveyor to Lloyd's Register of Shipping.

Insert character of Ship and Machinery precisely as in the Register Book

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

© 2019 Lloyd's Register Foundation

W468-0006