BOX 0486

Rpt. 9.

No. 18448

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

(Received at London Office -9 SEP 1925)

Date of writing Report 1. 9. 1925 When handed in at Local Office 4. 9. 1925. Port of Greenock.

No. in Reg. Book. 12120 Survey held at Port Glasgow. Date, First Survey 13th July, 1925. Last Survey 1st Sept. 1925. (No. of Visits 12.)

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

Tonnage { Gross 1196 / Net 710

Nominal Horse Power { 126

No. of Main Boilers 1

No. of Donkey Boilers ✓

Steam Pressure— in Main Boilers 160 / 160

in Donkey Boilers ✓

Vessel built at Glasgow. By whom J. Shearer & Son. When 1898-8

Engines made at " By whom Muir & Houston Ltd. When 1898.

Boilers, when made (Main) 1925 (Donkey)

Owners W. Robertson. Port Glasgow Voyage

If Surveyed Afloat ~~or~~ & in Dry Dock Clyde S.B. Co. Slip. (State name of 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).
+ 100 A1. 3-23.		+ LMC 4-20.
SS Aux 2 No 3. 5-20.		B S 11-24.
		C L 3-23.

Last Report No. Port + NB.

Particulars of Examination and Repairs (if any) + LMC.

(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 wer 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

Do. " Donkey " " " No.

If this was not done, state for what reasons? Donkey boiler removed ashore and scrapped.

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? ✓

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 163.

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 Boiler? Yes, and of the Donkey Boiler? /

Did the Surveyor examine the drain plugs of the Main Boilers? None, and of the Donkey Boiler? /

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

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? No.

Has shaft now been changed? No If so, state reasons ✓

Is the shaft now fitted new? ✓ 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 the distance between lignum vitæ or bearing metal of stern bush and top of after bearing of screw shaft? Close (re-wooded).

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

Now done:- Examined. Cylinders. Pistons. Slide valves and faces. Crank. Thrust and Tunnel shafts. Air. Circulating. Feed and Bilge pumps and their connections, and put in order. Condenser tested and found tight. Sea connections and their fastenings examined and found good. Tail shaft drawn in, examined and found good. Propeller renewed. Feed and General Service pumps opened up, examined and put in order. Windlass and Steering engines opened up, examined and put in order. Main Steam pipe annealed and re-tested.

New Main Boiler (see Grk Rpt No 18449) now securely fitted on board and its Safety valves adjusted under steam as stated.

The Donkey boiler has now been removed ashore, and it is stated will not be replaced.

P.T.O

General Observations, Opinion, and Recommendation:— The machinery of this vessel is now in good order and condition, and eligible, in my opinion, to remain as classed, with fresh record of survey + LMC 9-25 and TS 9-25. CL. and notation of + NB 9-25. The record of DB not to be used, in the Special Reasons List may now be expunged.

(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, or ✠ L.M.C. 9,11, 140 lb., F.D., &c.)

Survey Fee (per Section 28) £ 8 . 0

Fitting New Main Boiler ~~Special Damage Report~~ Fee (if any) £ 3 . 3 (per Section 28.)

Travelling Expenses (if chargeable) £ . .

Fees applied for 4. 9. 1925

Received by me, 9. 1925

J. Davey

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 8 - SEP 1925

Assigned + LMC 9,25

CERTIFICATE WRITTEN 16/9/25 + NB. 9,25 Note Shaft

W405-0137

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Continuation. Gen Rpt. SS "ACHROITE"

Repairs.

New Main boiler complete with Safety valves and mountings securely fitted on board the vessel. Centre collision chocks and rolling stays renewed.

H.P. Piston rod skimmed up. new neck ring and gland bushes fitted.

HP & IP Valve rods " " " " " " " " " "

Feed & Bilge pump rods " " " " " " " " " "

HP & MP Crank pin bushes remetalled. Top half No 1 Main bearing remetalled.

Centrifugal pump. New Impeller shaft fitted. New rings in Steam piston.

Feed Donkey. New rings in Feed and Waterends.

Stern bush re-lined with lignum-vitae wood.

Steering engine. New piston rings and new valve spindles fitted.

N.B.—If this Report is copied by Copying Press especial care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

THIS SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.

S.S.R. 01. due 5.24 Hull dismantled
Main boiler removed Derby boiler carried
from vessel

This submitted Work
this vessel is eligible for
THE RECORD. + L.M.C. 9.25 written

Special restricting
S.9.25 + N.B 9.25

Lt 1 SB wpb 140-46 (B) 3cf
G. 1/63 Q.S. 2/10 N47P126

F.
10/9/25.

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