Rpt. 9.

No. 113480.

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

(Received at London Office DEC 6 1939)

Date of writing Report ..... 19 ..... When handed in at Local Office 29 NOV 1939 19 ..... Port of LIVERPOOL

No. in Reg. Book. 28067 Survey held at Birkenhead Date, First Survey 5/10/39 Last Survey 22/11/1939 (No. of Visits 9.)

on the Machinery of the ~~Wood, Iron or~~ Steel Sc "Kyle Firth"

Tonnage { Gross 450 Net 178

Nominal Horse Power 64 R.

No. of Main Boilers 1 SB

No. of Donkey Boilers ✓

Steam Pressure— in Main Boilers 130 lb.

in Donkey Boilers ✓

Vessel built at Ayr By whom Ailsa S.B. Co Ld. When 1905-4 (Year. Month.)

Engines made at Irvine By whom Renfrew Bros & Co Ld. When 1905.

Boilers, when made (Main) 1905 (Donkey) ✓

Owners Walton S.S. Co Ld Owners' Address ✓ (if not already recorded in Appendix to Register Book.)

Managers J. J. Powron & Co Ld Port Glasgow Voyage ✓

Surveyed Afloat or in Dry Dock (State name of Dock.) West Float & Birkenhead Dry 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 - 2.36
2.36		B.S. - 3.38
		T.S. CC - 1.36
SS. Bkn 2nd No 3 - 11.30		
SS Bkn No 1 - 36		
Cargo Battens not fitted		

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

Particulars of Examination and Repairs (if any) T.S. & 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 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 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 13/10/39 Present condition of funnel(s) renewed.

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

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? Yes, 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? Yes, 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? No 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 18/10/39 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? No

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 To complete the survey the boiler safety valves require to be adjusted under steam. The Supt Engr states that this will be done within the next few weeks.

Now done:—

Vessel placed in dry dock. The propeller & all outside fittings examined and found in good order. Sea connections opened out and found or placed in good condition. Screwshaft drawn & found satisfactory; sternbush renewed.

Cylinders, pistons, valves & casings, condenser, crank & thrust shafts main & aux pumps, all opened out & examined & found or placed in good order. Pumping arrangements examined. [See continuation sheet.

General Observations, Opinion, and Recommendation:—The machinery of this vessel is

(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.)

now in safe working condition, eligible in my opinion to remain as classed, with best notation of T.S.-CC 10.39 now, and record + LMC 11.39 when the survey is completed.

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

Survey Fee (per Section 29) LMC £ 7 : 0 : 0

Special ~~Damage or~~ Repair Fee (if any) (per Section 29.) £ 3 3 : 0

Travelling expenses (if chargeable) £ : :

Fees applied for 29 NOV 1939 19

Received by me, 19

Committee's Minute

Assigned Deferred

LIVERPOOL -5 DEC 1939

A. W. B. Edwards

Engineer Surveyor to Lloyd's Register of Shipping.

WED 20 DEC 1939

+ LMC. 11.39 Subject

T.S. 10.39.

W407-0031(11/2)

Port of LIVERPOOL Continuation of Report No. 113480 dated 22/11/39. on the

Machinery of S.S. "Kyle Firth"

Steampipes examined & two lengths of copper main steam pipe annealled & hyd tested to 260 lbs□".

Boiler & mountings opened out and examined internally

Repairs now done, to Owner's account:-

Boiler:- 18 plain & 4 stay tubes renewed. A number of corroded C.C back & side stays renewed. Centre C.C. bottom plate seams E.W. locally. Lower front end plate reinforced by E.W. in way of grooving below centre furnace flange. Ford collision chock renewed. Stb'd lower manhole door studs renewed, & P lower manhole opening built up by E.W. Smokeboxes repaired & funnel renewed. Main steam valve chest renewed & sundry other minor repairs effected.

Two main steampipe flanges refraced & two lengths of copper feed pipe renewed.

H.P. slide valve refaced & false face in valve chest renewed.

Main engine circ pump body built up by E.W. on corroded landings.

" " feed & bilge pump valves refitted & two feed rams skimmed up & rebushed.

Thrust shoes remetalled.

A number of bilge & tank suction pipes renewed.

Repairs examined & found satisfactory

[illegible]

Noted.

As the year of grace has expired it is submitted to notation that the 11.39 might be assigned subject to the Boiler L.S. being adjusted under steam.

DG

15/10/39