

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

(Received at London Office JUN - 5 1940)

Date of writing Report 30-5-40 When handed in at Local Office 3. 6. 40 Port of Glasgow

No. in Reg. Book 22487 Survey held at Glasgow Date, First Survey May 21/26 Last Survey 25-5-1940
on the Machinery of the Wood, Iron or Steel S.S. "CLAN MACFARLANE" (No. of Vessel 4)

7399 Tonnage Gross 6193 Net 3735 Vessel built at Irvine By whom Ayrshire Dryd. Co. Ltd. When 1922 11
Nominal Horse Power 743 Engines made at Glasgow By whom Dunsmuir Jackson When 1922
No. of Main Boilers 353 Boilers, when made (Main) 1922 (Donkey)

Owners The Clan Line Steamers Ltd. Owners' Address (if not already recorded in Appendix to Register Book.)
Managers Kayser Bruner & Co. Ltd. Port Glasgow Voyage Foreign
No. of Donkey Boilers - If Surveyed Afloat or in Dry Dock Afloat
Steam Pressure in Main Boilers 215 lbs. (State name of Dock.) Queens Dock
in Donkey Boilers

Last Report No. 20888 Port Gdn
Particulars of Examination and Repairs (if any) C. M. S. & B. S.

CHARACTER. for Special Survey Date of last Survey and of Periodical Surveys.	Years assigned now retained.	Machinery and Boiler Surveys (including date of N.B., if any).
+100 A1 Aung dk with fireboard		+LMC HS. 8, 35 BS. 4, 39
8, 39		T.S.C.L. 8, 38
S.S. 8, 35		L.P. Turbine A
Fitted for oil fuel above 150°F.		11, 22 F.P.

(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

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

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 Port 9 Centre 21/5/40 Star 24/5/40 Present condition of funnel Good

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 215 lbs/sq inch

Did the Surveyor examine the Safety Valves of Donkey Boiler? 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, and of the Donkey Boilers?

Did the Surveyor examine the drain plugs of the Main Boilers? None, 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? No 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 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. 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 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

To complete the survey for fresh record +LMC HS. The R.P. and M.P. Top and Bottom ends N.P. Bottom end, main bearings, crank shaft, intermediate shafts, cam end of exhaust turbine shaft, ballast transfer, and general service pumps remain to be examined and main and auxiliary steam pipes to test to rubber requirements. The Owners state that the survey will be further advanced on vessel's return to the UK. Electrical equipment & seawater

Now Done For H.S. N.P. cylinder, piston and valve, M.P. cylinder, piston & valve aft independent feed pump, (see follow sheet)

General Observations, Opinion, and Recommendation: The machinery of this vessel (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, H.S. 9, 11, S.M.S. 9, 11, L.M.C. 9, 11, or L.M.C. 140 lb., F.D., &c.)

so far as now seen is in efficient condition and eligible in my opinion to remain as classed and to have fresh record of +LMC HS as recommended in Glasgow Report No 61453 on completion of survey as above and B.S. 5, 40 now

Survey Fee (per Section 20) B.S. £ 4 : - : - Fees applied for 4 JUN 1940
Special Damage or Repair Fee (if any) (per Section 20.) £ : - : - Received by me,
Travelling expenses (if chargeable) £ : - : - 19

Committee's Minute GLASGOW 4 JUN 1940
Assigned Defered for comp. M.S.

N. Russell 2020
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

R.S. 40. 27.5.40

W374-00 5912

S.S. "CLAN MACFARLANE"

RETAIN

FOR M.S. CONT^D

Forward fan engine examined and found or placed in good order.

REPAIRS

Feed pump valves and valve seats renewed
Fore. fan engine steam cylinder bored out and piston renewed.

FOR B.S.

Port, Centre and Star. boilers examined internally and externally together with safety valves mountings and doors and found or placed in good order. Oil fuel installation examined under working conditions, fuel pipes free from leakage and in good condition, extended spindles to oil units and fire extinguisher tested and found in good order. Safety valves of main boilers adjusted under steam to stated pressure

RETAIN

W. V.



