

Rpt. 9

26 OCT 1955

Date of writing report 14.10.55

Received London

Port Glasgow

No. 84356

Survey held at AYR

No. of visits 14

First date 26.7.55

Last date 28.9.55

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 08948 Name *S.S. Lug "Empire Rita"* Gross tons 295 Date of build 5/1946

Owners *The Admiralty* Managers *Ferguson Bros (P. & C.) Ltd* Port of Registry *Glasgow*

Engines made 5/1946 By *Ferguson Bros (P. & C.) Ltd* Type *Triple Expansion*

No. of Main Engines 1 No. of Screws 1

Records of Survey & Special Notations as per Register Book

No. of Main Boilers 1 W.P. 200 lbs.

No. of Aux./Donkey Boilers 1 W.P. 1

Surveyed Afloat in Dry Dock *AYR SLIPWAY*

Nature of Survey *LMC & TS*

Was Damage Report issued? *No* Int. Cert.? *No*

Last Report (For Head Office only)

Hull	Machinery
<i>+100 A.I. for towing services 5/54</i>	<i>+LMC 1/51</i>
<i>SS Gnr 1/51</i>	<i>BS 7/54</i>
	<i>YS.09. 5/54</i>
	<i>OF 5/46</i>
<i>Bulbs of Plating E.W.</i>	

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

DOCKING Propellers *GOOD* Wear Down of Stern Bushes *.035"* Oil Glands *GOOD* Sea Connections *GOOD*

Fastenings *GOOD* Has Screwshaft been drawn? *YES* Date of Examination *10.8.55* Has Shaft been changed? *No*

Has Shaft now fitted been previously used? *Yes* Has Shaft now examined, ~~used~~ a continuous liner? *No* Approved oil gland? *YES*

MAIN ENGINES (Recip. Steam or I.C.)

1 Cyls., Covers, Pistons & Rods *GOOD*

2 Valves & Gears *GOOD*

3 Connecting Rods, Top Ends & Guides *GOOD*

4 Crankpins & Bearings *GOOD*

5 Journals & Bearings *GOOD*

6 Cyls., Covers, Pistons & Rods

7 Connecting Rods & Top Ends

8 Crankpins & Bearings

9 Journals & Bearings

10 Coolers & Safety Devices

11 Cyls., Covers, Pistons & Rods

12 Connecting Rods & Top Ends

13 Crankpins & Bearings

14 Journals & Bearings

15 Levers

16 SCAVENGE BLOWERS

17 SUPERCHARGERS

18 MAIN TURBINES

19 Casings, Rotors, Blading, Bearings & Thrusts

20 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

21 STEAM COMPRESSORS

22 CLUTCHES & HYDRAULIC COUPLINGS

23 REDUCTION GEARING

24 THRUST BLOCKS, SHAFTS & BEARINGS *GOOD*

25 INTERMEDIATE SHAFTS & BEARINGS *GOOD*

26 HOLDING DOWN BOLTS & CHOCKS *GOOD*

27 CONDENSERS (MAIN & AUX) *GOOD*

28 STEAM RE-HEATERS

29 DE SUPERHEATERS

30 STOP & MANOEUVRING VALVES *GOOD*

31 MAIN ENGINE DRIVEN PUMPS *GOOD*

32 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring? *YES-GOOD*

OPINION OF MACHINERY AND RECOMMENDATIONS

The machinery of this vessel is in good condition and eligible, in my opinion, to remain as classed with fresh record of +LMC 9.55; screwshaft OG 8.55; s/p 8.55.

Date of Committee *GLASGOW 26 OCT 1955*

Decision *+LMC 9.55*

5 8.55 5 P 5 8.55

30m, 5.54. T.

Book for London

CERTIFICATE WRITTEN.

Sh. N. Smiaton & J. M. Kahan
Engineer Surveyor to Lloyd's Register of Shipping

E. H. Roberts

Lloyd's Register Foundation

009667-009673-0195

32³² Essential Independent Pumps (Identify by position) (PORT E.R.) - MAIN FEED (2) : MAIN CIRCULATING : GENERAL SERVICE -
 (STARBOARD E.R.) - SALVAGE PUMP - (STARBOARD B.L.R. Rm) - AUXY. FEED PUMP : OIL FUEL PUMPS (2)
 33³³ Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls GOOD

34³⁴ Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? YES - GOOD

35³⁵ Fresh Water Coolers 36³⁶ Lub. Oil Coolers 37³⁷ Heaters (state service) FEED WATER - OIL FUEL (TESTED)

38³⁸ Independent Air Compressors, Coolers & Safety Devices
 39³⁹ Air Receivers & Safety devices - Main Auxiliary

40⁴⁰ Oil Fuel Tanks (Not forming part of hull structure)
 42⁴² Evaporators GOOD 43⁴³ Have Evaporator Safety Valves been tested under steam? YES - GOOD

44⁴⁴ Steering Machinery GOOD 45⁴⁵ Windlass GOOD 46⁴⁶ Fire Extinguishing Arrangements GOOD

AUXILIARY ENGINES (Identify by position) STARBOARD FORD & STARBOARD AFT - GOOD

PROPULSION	ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT
	PORT	STARBOARD	
a Generators	/		i Generators & Governors Good
b Exciters			m Motors Good
c Air Coolers			n Switchboards & Fittings Good
d Motors			o Circuit Breakers
e Air Coolers			p Cables Good
f Control Gear, Cables, etc.			q Insulation Resistance Good
g Insulation Resistance			r Steering Gear Generators and Motors
h Insulating Oil Test			s Navigation Light Indicators Good
i Overspeed Governors			
j Magnetic Couplings			
k Air Gap			

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)
 MAIN 12-9-55 - GOOD AUXILIARY, DONKEY or PRESS

Superheaters
 Safety Valves Good
 Mountings, Doors & Fastenings Good
 Safety Valves Adjusted to { Sat. 200 lbs/sq. in.
 { Spt.
 Boiler Securing Arrangements Good
 Main Economisers Exhaust Gas Heated Economisers
 Steam Heated Steam Generators Steam Generator Safety Valves Adjusted to
 Were Oil Burning System & Remote Controls examined working in accordance with Rules? YES - GOOD Forced Circulating Pumps
 Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? Funnel Good

EXAMINATION & TESTING OF STEAM PIPES (State material)
 Main S.D. COPPER - GOOD Auxiliary (over 8 in. bore)
 Were Copper Pipes annealed? YES Have Saturated Pipes in cylindrical boiler smoke boxes been tested?

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)

Ahead Thrust pads found scored & worn - spare pads fitted & worn out re. installed -
 Running engine removed & overhauled at Maker's works (Lith. cut. C. 5582 attached) -
 Both Auxiliary engine piston rods removed & governor gear overhauled at Maker's works -
 BOILER: One plain tube removed from each box, for Admiralty "wear & waste" inspection, and now renewed - Old radial cracking of the boiler back plate in way of the bottom manhole longitudinal stays, Port & Starb, specially examined and considered to remain satisfactory. Boiler examined when subjected to 1 1/2 W.P. (300 lbs/sq. in.) Admiralty requirement hydraulic test, also an internal examination carried out after this test and all found satisfactory. Other minor repairs carried out and on completion, the machinery was examined under working conditions and found satisfactory.

LEAVE THIS SPACE BLANK

Survey fees LMC £ 16. - -
 BS £ 5. - -
 TS £ 3. - -
 REPAIR Damage fee ELECT. £ 6. - -
 £ 5. - -
 Expenses... £ 4. 11. -
 ELECT. £ 0. 10. -

[Handwritten signature]

Date when A/c rendered 25 OCT 1955