

Rpt. 9

26 OCT 1955

Date of writing report 14.10.55
Survey held at AYR

Received London
No. of visits 14

Port Glasgow
First date 26.7.55
Last date 28.9.55
No. 84356

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 08948 Name *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
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)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
+100 A.I. for towing services 5/54	+LMC 1/51
SS Grk 1/51	BS 7/54
	YSog. 5/54
	OF 5/46
<i>Bulls 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?		Has Shaft now examined, fitted a continuous liner?	No	Approved oil gland?	YES			
MAIN ENGINES (Recip. Steam or I.C.)								
				PORT	STARBOARD			
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						
MAIN ENGINE DRIVEN AIR COMPRESSORS								
6	Cyls., Covers, Pistons & Rods							
7	Connecting Rods & Top Ends							
8	Crankpins & Bearings							
9	Journals & Bearings							
10	Coolers & Safety Devices							
MAIN ENGINE DRIVEN SCAVENGE PUMPS								
11	Cyls., Covers, Pistons & Rods							
12	Connecting Rods & Top Ends							
13	Crankpins & Bearings							
14	Journals & Bearings							
15	Levers							
SCAVENGE BLOWERS								
SUPERCHARGERS								
MAIN TURBINES								
16	Casings, Rotors, Blading, Bearings & Thrusts							
EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)								
STEAM COMPRESSORS								
CLUTCHES & HYDRAULIC COUPLINGS								
REDUCTION GEARING								
23	THRUST BLOCKS, SHAFTS & BEARINGS	GOOD						
24	INTERMEDIATE SHAFTS & BEARINGS	GOOD						
25	HOLDING DOWN BOLTS & CHOCKS	GOOD						
26	CONDENSERS (MAIN & AUX)	GOOD						
STEAM RE-HEATERS								
DE SUPERHEATERS								
29	STOP & MANOEUVRING VALVES	GOOD						
30	MAIN ENGINE DRIVEN PUMPS	GOOD						
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
Decision +LMC 9.55
5.8.55 5P5 8.55

Sh. R. Smutten & J. Mahan
Engineer Surveyor to Lloyd's Register of Shipping
E. H. Roberts

CERTIFICATE WRITTEN

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.M.) - RUXY 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	
PORT	STARBOARD		AUXILIARY EQUIPMENT
a Generators			Generators & Governors. Good
b Exciters			Motors Good
c Air Coolers			Switchboards & Fittings Good
d Motors			Circuit Breakers
e Air Coolers			Cables Good
f Control Gear, Cables, etc.			Insulation Resistance Good
g Insulation Resistance			Steering Gear Generators and Motors
h Insulating Oil Test			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.

Safety Valves Adjusted to Spt. GOOD

Boiler Securing Arrangements

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

Feed 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 (Rith 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 & Starboard, 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. -

Date when A/c rendered

25 OCT 1955

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