

Rpt. 9

Date of writing report 31.10.60.

Received London

Port Liverpool

-7. DEC. 1960

Survey held at Liverpool

No. of visits 15

First date 11.8.60.

Last date 12.10.60.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 77425 Name ~~W.V.~~ "RHODESIA CASTLE"

Gross tons 17041 Date of build 1951 11

Owners Union-Castle Mail Steamship Co. Ltd. Managers

Port of Registry London

Engines made 1951 By Harland & Wolff Ltd.

Type 2 steam turbs. DR geared to sc. shaft.

No. of Main Engines 2 No. of Screws 1

Records of Survey & Special Notations as per Register Book

No. of Main Boilers 2 WTB W.P. 5251b Spt. 4731b

No. of Aux./Donkey Boilers 1db W.P. 1051b * ndb 52

Surveyed Afloat or in Dry Dock Both

Nature of Survey Dkg., T.S., C.S., Comm. M.B.S. & Repairs

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

Last Report (For Head Office only)

Hull		Machinery	
100A1	2,60	LMC	CS 12,59
SS	2,60	BS	M 12,59
			d 2,60
		TS	CL p2,58
			s9,56
		S.P.S.	2,58
		OF	

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 P.160", S.Close ~~at 1000~~ Sea Connections Part (see over) Good

Fastenings Good Has Screwshaft Tubeshaft been drawn? Stbd. Yes Date of Examination 7.9.60. Has Shaft been changed? No

Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? Yes ~~Approved at 1000~~

MAIN ENGINES (Recip Steam ~~xxxx~~)

PORT

STARBOARD

1 Cyls., Covers, Pistons & Rods

2 Valves & Gears

3 Connecting Rods, Top Ends & Guides { Side
Centre

4 Crankpins & Bearings { Side
Centre

5 Journals & Bearings

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

16 SCAVENGE BLOWERS

17 SUPERCHARGERS

MAIN TURBINES

18 Casings, Rotors, Blading, Bearings & Thrusts L.P. Good

19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

20 STEAM COMPRESSORS

21 ~~Flexible~~ COUPLINGS L.P. Good

22 REDUCTION GEARING

Good

23 THRUST BLOCKS, SHAFTS & BEARINGS

Good

24 INTERMEDIATE SHAFTS & BEARINGS

Good

25 HOLDING DOWN BOLTS & CHOCKS

26 CONDENSERS (MAIN & AUX.) Gland Steam - Good

Gland Steam - Good

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS

29 STOP & MANOEUVRING VALVES

30 MAIN ENGINE DRIVEN PUMPS

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel in our opinion is eligible to remain as classed, with fresh record Starbd. T.S.(C.L.) 9,60, now, and M.B.S. 10,60, and C.S. (with date) on completion of respective surveys.

Date of Committee

Decision

50m.4,59 T. (MADE AND PRINTED IN ENGLAND)

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J. Findlay
R. Lloyd

Lloyd's Register
Foundation

005353-005357-0087 1/2

new circuit breaker, preference trip, and remote stops were tested on completion, and found to be in order.

The installation is in accordance with the approved plans.

J. Findlay WA

- 32 Essential Independent Pumps (Identify by position) Auxiliary condenser circulating, forward fire and sanitary, sprinkler system, harbour feed, port forward lubricating oil cooler circulating - Good
- 33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls
- 34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary?
- 35 Fresh Water Coolers 36 Lub. Oil Coolers 37 Heaters (state service)
- 38 Independent Air Compressors, Coolers & Safety Devices
- 39 Air Receivers & Safety devices - Main 40 Auxiliary
- 41 Oil Fuel Tanks (Not forming part of hull structure)
- 42 Evaporators Both Good 43 Have Evaporator Safety Valves been tested under steam? Both Yes
- 44 Steering Machinery 45 Windlass 46 Fire Extinguishing Arrangements

AUXILIARY ENGINES (Identify by position)
Emergency generator Good

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

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN Starboard (24.8.60.) Good ~~Donkey~~

Superheaters Starboard Good

Safety Valves Starboard Good

Mountings, Doors & Fastenings Starboard Good

Safety Valves Adjusted to Sat. Starboard 495 lbs/psi.
Spt. Starboard 486 lbs/psi.

Boiler Securing Arrangements Good

Were Oil Burning System & Remote Controls examined working in accordance with Rules? No

Funnel Good

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Auxiliary (over 3 in. bore)

Were Copper Pipes annealed? 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)

Note :-

All starboard side sea connections were examined.
To complete the survey for fresh record M.B.S. 10,60, the port and centre boilers remain to be examined in their entirety, and afterwards these boilers to be examined under steam, their safety valves adjusted, and the oil burning system, and remote controls examined and tested.

Repairs, Wear and Tear.

Starboard stem bushes rewooded.

The lower 36 rows of tubes in the starboard main boiler superheater were renewed because of wastage.

On completion a satisfactory hydraulic test was witnessed on this superheater.

At the Owners' request, the port donkey boiler safety valves were adjusted to 100 lbs/psi.
It was stated that these valves had been overhauled.

Modifications.

Air conditioning machinery was installed during the vessel's stay here, and the

following modifications were carried out in connection with this plant.

Two new 6" bronze sea valve chests were satisfactorily hydraulically tested and fitted.

The alterations to the electrical equipment were surveyed during installation.

Cont.

Division, T.S.E., K.B.S. commd.
CS advanced repairs, alterations.
Note.
T.S.E. (S) 9/60 rev.
M.B.S. 10/60, on completion a full
rept. to be
23/12/60.

LEAVE THIS SPACE BLANK

Survey fees T.S. £ 7 " 0 " 0
C.S. £ 35 " 0 " 0
M.B.S. £ 14 " 0 " 0
Repairs & modifications £ 25 " 0 " 0
Disbursements £ 3 " 15 " 0

Date when A/c rendered - 2 DEC 1960