

Rpt. 9

Date of writing report 4-1-60.

Received London

Port LONDON.

No. 142007

Survey held at LONDON.

No. of visits 3.

First date 15-1-60.

Last date 28-1-60.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 14332 Name M.V. "HIGHLAND MONARCH". Gross tons 14216. Date of build 10-1928.
 Owners Royal Mail Lines, Ltd. Managers - Port of Registry Belfast.
 Engines made 1928. By Harland & Wolff, Ltd., Belfast. Type Oil Eng. 4DA 80y 680 x 1600 mm.
 No. of Main Engines 2. No. of Screws 2.

No. of Main Boilers - W.P.
 No. of Aux./Donkey Boilers 1. W.P. 100 lb.
 Surveyed Afloat or in Dry Dock Both.
 Nature of Survey CS, Drydocking & Cond. of Class S.S.
 Was Damage Report issued? No. Int. Cert.? Yes.
 Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

	Hull	Machinery
100A1 with fbd.	3-59.	S.M.C.S. 4-56.
	4-56.	D.B.S. 9-58.
		T.S. C.L. p. & s. 3-59.

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. 1/16" S. 1/16" Oil Glands - Sea Connections -
 Fastenings Good. Has Screwshaft Tubeshaft been drawn? No. Date of Examination - Has Shaft been changed? -
 Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? Yes. Approved oil gland? -

- | MAIN ENGINES (Recip. Steam or I.C.) | 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 | | |
| 19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES) | | |
| 20 STEAM COMPRESSORS | | |
| 21 CLUTCHES & HYDRAULIC COUPLINGS | | |
| 22 REDUCTION GEARING | | |
| 23 THRUST BLOCKS, SHAFTS & BEARINGS | | |
| 24 INTERMEDIATE SHAFTS & BEARINGS | | |
| 25 HOLDING DOWN BOLTS & CHOCKS | | |
| 26 CONDENSERS (MAIN & AUX.) | | |
| 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 as now seen is eligible in our opinion to remain as classed & have a fresh record of CONTINUOUS SURVEY OF ENGINES (with date) when the survey has been completed, without condition of class respecting the propeller & outside fastenings, but subject to all main engine connecting rods being examined on the vessel's return to the U.K. & to any outstanding conditions of class being dealt with as previously recommended.

Date of Committee

Decision

TUESDAY - 8 MAR 1960
 As now subject

Noted for Heads

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 J. C. EDWARDS & J. C. HARRISON

004887-004892-004412

If so, is the Report sent now, or when will it be sent?

If certificate is required state where to be sent

32 Essential Independent Pumps (Identify by position) Stbd. bilge pump, Fwd. oil fuel transfer pump, Boiler feed pump,

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 F. & S. Good. Main Stbd. Fwd. & Stbd. Aft Good. 36 Lub. Oil Coolers Stbd. Fwd. & Stbd. Aft Heaters (state service)

38 Independent Air Compressors, Coolers & Safety Devices

39 Air Receivers & Safety devices - Main

41 Oil Fuel Tanks (Not forming part of hull structure) Stbd. Daily service, Good.

43 Evaporators

44 Steering Machinery

45 Windlass

46 Fire Extinguishing Arrangements

AUXILIARY ENGINES (Identify by position)

PROPULSION	PORT	ELECTRICAL EQUIPMENT 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			
j Magnetic Couplings			
k Air Gap			

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

MAIN AUXILIARY, DONKEY or PRESS

Superheaters

Safety Valves

Mountings, Doors & Fastenings

Safety Valves Adjusted to { Sat. Spt.

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?

Forced Circulating Pumps

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?

Funnel

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)

Conditions of Class:- "The class of the vessel is subject to the propellers & outside fastenings specially examined at the next drydocking". (London Report No. 141446.)

NOW DONE:- Stbd. propeller cone noted missing & minor fractures present at tips of all three blades. Damages stated to have occurred in S. Plate in Sept., & Lisbon in October, 1959. (Please see London Report No. 141446.)

Propeller shaft has now been checked for truth, the propeller boss drawn for examination & screw thread, the damaged blades replaced with spares & a new cone fitted.

Accordingly it is recommended that the Condition of Class be deleted.

Condition of Class: Subject to all main engine connecting rods being again examined on ship's return to the U.K. (per London Report No. 141446).

Now done: All main engine connecting rods now specially examined & no extension of cracking previously noted, now found. It is recommended however that the present condition be retained as at present attached to the ship's class. Considered efficient meantime.

CONTINUOUS SURVEY OF ENGINES:-

The Owners' Superintendent states that it is expected that the vessel will be broken up on conclusion of the present voyage....

LEAVE THIS SPACE BLANK

Survey fees CS. £8-0-0d.

Machy. Exam. 7-0-0d.

Damage fee

Expenses... 10-6d.

Date when A/c rendered 15 FEB 1960

Rpt. 9a

Port of LONDON.

Continuation of Report No. 142007 dated

on the

M. S. "HIGHLAND MONARCH"

CONTINUED.

... & that in consequence the present Survey Cycle will not be completed, should however, a further voyage be required, the outstanding items will be completed on the vessel's next return to the United Kingdom. (See list on Interim Certificate).

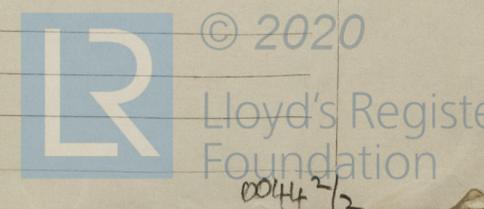
DONKEY BOILER SURVEY:- See London Report No. 141446.

J. B. Edwards J. C. Harrison

Engineer Surveyors to Lloyd's Register of

Shipping.

J. C. EDWARDS & J. C. HARRISON.



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