

Rpt. 9

4 DEC 1957

Date of writing report 20. 11. 57.

Received London

Port Liverpool.

No. 148125

Survey held at Liverpool & Birkenhead

No. of visits 17.

First date 8. 9. 57. Last date 4. 11. 57.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 13567 s.s. "HILARY" Gross tons 7415 Date of build 1931 8

Owners Booth S.S. Co. Ltd. Managers Port of Registry Liverpool

Engines made 1931 By Cammell Laird & Co. Ltd. Type T 3Cy

No. of Main Engines 2 No. of Screws 2 Records of Survey & Special Notations as per Register Book

Main Boilers 4SB W.P. 230(Spt)

1SB 230 lb.Spt

Donkey Boilers - W.P. -

Afloat or in Dry Dock Both.

Survey Dkg. Blr Repair & Eng. Repairs.

Age Report issued? Int. Cert.?

Port (For Head Office only)

Hull	Machinery
100A1. with fbd. 6,57.	HMC. 4,56.
S.S. Ant(Dr) 4,56.	BS.M. 7,57.
	TS.CL. 3,56.
	s.p.s. 4,56.
	OF. 2,49

Attention 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 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 special 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 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.

1 KING Propellers Good. Wear Down of Stern Bushes not taken Oil Glands - Sea Connections -
 2 Rings Good. Has Screwshaft Tubeshaft been drawn? - Date of Examination - Has Shaft been changed? -
 3 Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? - Approved oil gland? -

4 MAIN ENGINES (Recip. Steam or I.C.E.) PORT STARBOARD
 5 Covers, Pistons & Rods
 6 Valves & Gears
 7 Connecting Rods, Ends & Guides Side Centre
 8 Crankpins & Bearings Side Centre
 9 Journals & Bearings

10 MAIN ENGINE DRIVEN AIR COMPRESSORS
 11 Cyls., Covers, Pistons & Rods
 12 Connecting Rods & Top Ends
 13 Crankpins & Bearings
 14 Journals & Bearings
 15 Coolers & Safety Devices

16 MAIN ENGINE DRIVEN SCAVENGE PUMPS
 17 Cyls., Covers, Pistons & Rods
 18 Connecting Rods & Top Ends
 19 Crankpins & Bearings
 20 Journals & Bearings
 21 Levers

22 SCAVENGE BLOWERS
 23 SUPERCHARGERS
 24 MAIN TURBINES
 25 Casings, Rotors, Blading, Bearings & Thrusts

26 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)
 27 STEAM COMPRESSORS
 28 CLUTCHES & HYDRAULIC COUPLINGS
 29 REDUCTION GEARING
 30 THRUST BLOCKS, SHAFTS & BEARINGS
 31 INTERMEDIATE SHAFTS & BEARINGS
 32 HOLDING DOWN BOLTS & CHOCKS
 33 CONDENSERS (MAIN & AUX.)
 34 STEAM RE-HEATERS
 35 DE-SUPERHEATERS
 36 STOP & MANOEUVRING VALVES
 37 MAIN ENGINE DRIVEN PUMPS
 38 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

39 Have Main Engines been tested working and manoeuvring?
 40 OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel as now seen, is eligible in my opinion to remain as classed without fresh record of Survey subject to the Port aft main boiler not being used until repaired and without the subject regarding the exhaust Turbine installation.

Date of Committee Decision LIVERPOOL 3 DEC 1957
 As now amended correct

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 R. J. Bannister
 Engineer Surveyor to Lloyd's Register of Shipping
 J. Bowman P. H. G. G. G. G.

If certificate is required state where to be sent.

- 32 Essential Independent Pumps (Identify by position)
- 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 43 Have Evaporator Safety Valves been tested under steam?
- 44 Steering Machinery 45 Windlass 46 Fire Extinguishing Arrangements

AUXILIARY ENGINES (Identify by position)

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD	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)

Repairs Forward Starboard Main Boiler.

Fracture in outboard wing furnace extending from 3rd to the 5th corrugation was veed out and welded from both sides.

On completion of this repair the boiler was hydraulically tested and the repair found satisfactory.

S.R.L. "Port aft Main Boiler not to be used until repaired."

Nothing done at this time.

"Exhaust turbine installation to be specially examined and dealt with as found necessary at earliest opportunity. "Not to be used meantime"

Now Done.

First reduction pinion renewed, 1st reduction wheel shroud renewed at makers; Bearings on first & second reduction gears remetalled & shaft aligned. Meshing of gear teeth witnessed. Rotor binding wire re-brazed and rotor re-balanced. New stub shaft fitted.

On completion of the above repairs the turbine was run on test and found satisfactory. It is therefore submitted that this item may now be deleted from the special Reasons List.

NO DEC 1957
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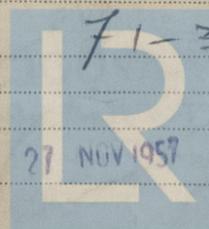
Repairs main boiler

Survey fees Blk Mps 7-10-10-0
Mch. Mps 7-25-4-0

Damage fee ...

Expenses ...

Date when A/c rendered



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