

Rpt. 9

12 JUN 1957

Date of writing report 2-6-57.

Received London

Port LEITH.

No. 24213

Survey held at LEITH.

No. of visits 7

First date 13-5-57.

Last date 28-5-57.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 53378. Name S.S. "B.E.L.V.I.N.A."

Gross tons 1226. Date of build 8-1924.

Owners The London & Edinburgh Shipping Managers

Port of Registry LEITH.

Engines made Sunderland N.E. Marine Eng. Co. Ltd.

Type T 30y. 17" 28" & 46" x 30"

No. of Main Engines 1 No. of Screws 1

Records of Survey & Special Notations as per Register Book

No. of Main Boilers 2 S.B. W.P. 180 lbs/sq. in.

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

Surveyed Afloat or in Dry Dock Both.

Nature of Survey Main Boiler Survey.

Was Damage Report issued? - Int. Cert.? YES.

Last Report (For Head Office only)

Hull	Machinery
+100A1. 3,56.	+LMC. 2,55.
S.S. (Dr) 1,51. Nwc. 2,55.	B.S. 4,56.
	T.S.C.L. 1,55.
	sps1 4,56.
NS.	

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 5/32" Oil Glands - Sea Connections GOOD
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? - Approved oil gland? -

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

PORT

STARBOARD

- Cyls., Covers, Pistons & Rods
- Valves & Gears
- Connecting Rods, Top Ends & Guides Side Centre
- Crankpins & Bearings Side Centre
- Journals & Bearings

MAIN ENGINE DRIVEN AIR COMPRESSORS

- Cyls., Covers, Pistons & Rods
- Connecting Rods & Top Ends
- Crankpins & Bearings
- Journals & Bearings
- Coolers & Safety Devices

MAIN ENGINE DRIVEN SCAVENGE PUMPS

- Cyls., Covers, Pistons & Rods
- Connecting Rods & Top Ends
- Crankpins & Bearings
- Journals & Bearings
- Levers

SCAVENGE BLOWERS

SUPERCHARGERS

MAIN TURBINES

- Casings, Rotors, Blading, Bearings & Thrusts

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

STEAM COMPRESSORS

CLUTCHES & HYDRAULIC COUPLINGS

REDUCTION GEARING

THRUST BLOCKS, SHAFTS & BEARINGS

INTERMEDIATE SHAFTS & BEARINGS

HOLDING DOWN BOLTS & CHOCKS

CONDENSERS (MAIN & AUX.)

STEAM RE-HEATERS

DE-SUPERHEATERS

STOP & MANOEUVRING VALVES

MAIN ENGINE DRIVEN PUMPS

CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS

The machinery of this vessel as far as now surveyed is in good condition and eligible in my opinion to remain as classed in the Register Book with fresh record of MAIN BOILER SURVEY 5-57.

Date of Committee

Decision

MBS 5-57

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).....
.....
.....

		ELECTRICAL EQUIPMENT	
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			
j Magnetic Couplings			
k Air Gap			

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)
MAIN PORT BOILER (16-5-57) - GOOD ~~AUXILIARY, DONKEY or PRESS~~
" STARBOARD BOILER (16-5-57) - GOOD
Superheaters.....
Safety Valves..... GOOD
Mountings, Doors & Fastenings..... GOOD
Safety Valves Adjusted to { Sat. 180 LBS/IN²
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?..... ~~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..... 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)

WEAR & TEAR REPAIRS:

Port Boiler: End plate in way of Blow-down valve chest found corroded and also fractured vertically across the hole extending approximately 3" above the hole down to grooving on the radius of the flange. Fracture and grooving cut through, weed out and thoroughly examined, afterwards welded up and plate built up where corroded. Repair examined under steam and found sound & tight.

Mountings: Steam valve chest rejoined to Shell and Blow-down valve chest renewed. Various minor repairs effected.

Starboard Boiler: After circumferential seam caulked.

Mountings: Main & Star. Check valve chests and Steam valve chest rejoined to Shell and minor repairs effected.

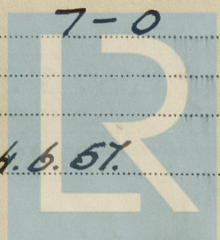
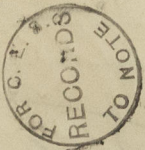
CONDITION OF CLASS ITEMS: - none.

ENDORSEMENT ITEMS: - none.

MAIN BOILER Survey fees £ 16-0-0
REPAIR FEE £ 5-0-0

Damage fee ...
Expenses... ..

Date when A/c rendered... H. 6. 57



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