12 JUN 1957

Rpt. 9

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./M.V. "B E L V I N A". Gross tons 1226. Date of build 8-1924.

Owners The London & Edinburgh Shipping Co. Ltd. Managers — Port of Registry LEITH.

Engines made Sunderland By N.E. Marine Eng. Co. Ltd. Type T 3Cy. 17" 28" & 46" x 30"

No. of Main Engines 1 No. of Screws 1

No. of Main Boilers 2 SB. 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*)

Records of Survey & Special Notations as per Register Book

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.
		sps.	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?~~ —

	PORT	STARBOARD
MAIN ENGINES (Recip. Steam or I.C.)		
1 Cyls., Covers, Pistons & Rods		
2 Valves & Gears		
3 Connecting Rods, Top Ends & Guides — *Side*		
3 Connecting Rods, Top Ends & Guides — *Centre*		
4 Crankpins & Bearings — *Side*		
4 Crankpins & Bearings — *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 & MANŒUVRING VALVES		
30 MAIN ENGINE DRIVEN PUMPS		
31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES		

Has a Survey also been held on Ship? YES. If so, is the Report sent now, or when will it be sent? NOW.

Have Main Engines been tested working and manœuvring? —

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this Vessel so 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 GLASGOW 11 JUN 1957

Decision MBS 5-57

Philip Mason
Engineer Surveyor to Lloyd's Register of Shipping

If certificate is required state where to be sent.

50m,6,56. T. (MADE AND PRINTED IN ENGLAND.)

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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

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AUXILIARY ENGINES (*Identify by position*)

ELECTRICAL EQUIPMENT

PROPULSION	PORT	STARBOARD
a Generators		
b Exciters		
c Air Coolers		
d Motors		
e Air Coolers		
f Control Gear, Cables, etc.		
g Insulation Resistance		
h Insulating Oil Test		
i Overspeed Governors		
j Magnetic Couplings		
k Air Gap		

AUXILIARY EQUIPMENT

l Generators & Governors

m Motors

n Switchboards & Fittings

o Circuit Breakers

p Cables

q Insulation Resistance

r Steering Gear Generators and Motors

s Navigation Light Indicators

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

MAIN PORT BOILER (16-5-57) - GOOD.

" STARBOARD BOILER (16-5-57) - GOOD.

~~Superheaters~~ -

Safety Valves GOOD.

Mountings, Doors & Fastenings GOOD.

Safety Valves Adjusted to Sat. 180 LBS/IN²

~~Sph~~

Boiler Securing Arrangements GOOD.

~~Main Economisers~~ -

~~Steam Heated Steam Generators~~ -

~~Were Oil Burning System & Remote Controls examined working in accordance with Rules?~~ -

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

~~AUXILIARY, DONKEY or PRESS.~~

~~Exhaust Gas Heated Economisers~~ -

~~Steam Generator Safety Valves Adjusted to~~ -

~~Forced Circulating Pumps~~ -

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 rejointed to Shell and Blow-down valve chest renewed. Various minor repairs effected.

Starboard Boiler: After circumferential seam caulked.

Mountings: Main & stop, & check valve chests and Steam Valve chest rejointed 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... ... 7-0

Date when A/c rendered 4.6.57.

LEAVE THIS SPACE BLANK

FOR C. & E. RECORDS NOTE

M85 Mar

19/6/57

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