

Rpt. 9

Date of writing report 31st Dec.-58

Received London

13 JAN 1959

Port

Åbo

No. 112

Survey held at Åbo

No. of visits 3

First date 28.11.58

Last date 30.12.58

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 68726 Name ^{SS} M.V. LEDSUND Gross tons 3955 Date of build 1919

Owners Rederi A/B Ledsund Managers Leonard Johnsson Port of Registry Mariehamn

Engines made By Flensburger Schiffsges. Type T 3 Cy

No. of Main Engines 1 No. of Screws 1

No. of Main Boilers 3 SB W.P. 185 lb

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

Surveyed Afloat or in Dry Dock in Dry Dock

Nature of Survey MBS, ~~Special~~ Examination, Damage, shelter dk with fbd

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 SS 12/54	LMC
DS 7/58	ES 9/53
	MBS 11/57
	TS(CL) 12/56
1 dk & S dk	SPS 12/54

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 3.2 mm 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? - 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

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 ship, as far as now seen, is in good condition and eligible in my opinion to remain as classed with a fresh notation of MBS 11.58 when the survey has been completed, and I recommend the Special Survey due 12.58 to be held not later than December, 1959.

Date of Committee THURSDAY 5 - FEB 1959

Decision Defered for comp MBS

Noted for Header

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Engineer Surveyor to Lloyd's Register of Shipping
Åke Lindqvist.

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

If certificate is required state where to be sent NOT REQUIRED.

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		AUXILIARY EQUIPMENT	
PORT	STARBOARD	PORT	STARBOARD	PORT	STARBOARD
a Generators	l Generators & Governors .....	.....	m Motors .....	.....
b Exciters	n Switchboards & Fittings .....	.....	o Circuit Breakers .....	.....
c Air Coolers	p Cables .....	.....	q Insulation Resistance .....	.....
d Motors	r Steering Gear Generators and Motors .....	.....	s Navigation Light Indicators .....	.....
e Air Coolers				
f Control Gear, Cables, etc.				
g Insulation Resistance				
h Insulating Oil Test				
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 Starboard and Centre 28.11. Port 10.12.58 AUXILIARY, DONKEY or PRESS

Superheaters

Safety Valves Good

Mountings, Doors & Fastenings Good

Safety Valves Adjusted to Sat. 185 lb starboard and centre MB:s
Spt.

Boiler Securing Arrangements

Main Economisers Exhaust Gas Heated Economisers

Steam Heated Steam Generators Steam Generator Safety Valves Adjusted to Yes

Were Oil Burning System & Remote Controls examined working in accordance with Rules? Yes 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)

Now done: Main and auxiliary machinery and electrical equipment generally examined and found in order.
A number of boiler tubes renewed.

To complete MBS: Safety valves of port Main Boiler remain to be adjusted.

Damage stated to have been caused by heavy ice during the voyage commencing 7th July at Blyth to Igarka and thence to Finland.
Damage found: One propeller blade fractured, opposite blade set forward abt. 3" on leading edge.
Now done: Spare propeller blade fitted, opposite blade faired in place.

LEAVE THIS SPACE BLANK

Survey fees	MBS	31,000
	GE	10,000
Damage fee		5,000
Expenses...		500
Date when A/c rendered		31-12-58

