

11. AUG. 1961

Rpt. 9

Date of writing report
Survey held at Toronto
Received London
No. of visits 2
Port Toronto
First date 24-1-61
Last date 13-4-61
No. 4353

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 69339 Name S.S. LETHBRIDGE
Owners Canada Steamship Lines Ltd. Managers
Engines made Hpl By Richardsons Westgarth
Type T 3 Cy
Gross tons 2407 Date of build 1924
Port of Registry Montreal

No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 2 W.P. 180 lbs psi
No. of Aux./Donkey Boilers - W.P. -
Surveyed Afloat or in Dry Dock afloat
Nature of Survey MBS & Pt. ES
Was Damage Report issued? Int. Cert.?
Last Report (For Head Office only)

| Hull | | Machinery | |
|--------------------------|------|-----------|------|
| BS & Great Lakes & River | | MBS* | |
| St. Lawrence service | | ES | 4/54 |
| Lake SS | 7/58 | M | 3/60 |
| AS | 4/60 | CL | 7/58 |
| DS | 7/58 | SPS | 7/58 |

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 Wear Down of Stern Bushes Oil Glands Sea Connections
Fastenings Has Screwshaft Tubeshaft been drawn? 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 H.P., I.P., L.P., Good
2 Valves & Gears
3 Connecting Rods, Side
Top Ends & Guides Centre
4 Crankpins & Bearings Side
Centre H.P., I.P., L.P., Good
5 Journals & Bearings Complete - Good

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)

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

OPINION OF MACHINERY AND RECOMMENDATIONS. This vessels machinery is in good condition eligible in my opinion to remain as classed and to have the record MBS 1.61, and ES with date now that the cycle of machinery survey has been completed.

Date of Committee THURSDAY 17 AUG 1961
Decision ES 4, 61
MBS 3, 61

50m, 4, 59 T. (MADE AND PRINTED IN ENGLAND)

Noted
for
Header

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Lloyd's Register
Foundation
F. G. H. White.

004062-004066-0191

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)

Table with 4 columns: PROPULSION, PORT, STARBOARD, AUXILIARY EQUIPMENT. Rows include Generators, Exciters, Air Coolers, Motors, Control Gear, Cables, etc., Insulation Resistance, Insulating Oil Test, Overspeed Governors, Magnetic Couplings, Air Gap, and various auxiliary equipment items like Generators & Governors, Motors, Switchboards & Fittings, Circuit Breakers, Cables, Insulation Resistance, Steering Gear Generators and Motors, Navigation Light Indicators.

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)
MAIN P & S 24-1-61 Good
AUXILIARY, DONKEY or PRESS
Superheaters Good
Safety Valves Good
Mountings, Doors & Fastenings Good
Safety Valves Adjusted to Sat. 185 lbs psc
Spt.
Boiler Securing Arrangements Good
Exhaust Gas Heated Economisers
Main Economisers
Steam Generator Safety Valves Adjusted to
Steam Heated Steam Generators
Forced Circulating Pumps
Were Oil Burning System & Remote Controls examined working in accordance with Rules? Funnel Good
Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?

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)

LEAVE THIS SPACE BLANK

Survey fees MBS and Part ES \$85.00

Damage fee
Expenses 10.00

Date when A/c rendered