

Rpt. 9

Date of writing report 14.8.61 Received London Port MONTREAL No. 14187
Survey held at Sorel No. of visits 2 First date 23.3.61 Last date 11.4.61

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 77164 Name M.V. " REDFERN " Gross tons 1856 Date of build 5,1930
Owners Beaconsfield Steamships Limited Managers Port of Registry Montreal
Engines made 1930 By Atlas-Diesel Type Oil Engines 2 SA each 5 Cy.
No. of Main Engines 2 No. of Screws 2

No. of Main Boilers W.P.
No. of ~~Donkey~~ Donkey Boilers 1 W.P. 135 lb.
Surveyed Afloat or in Dry Dock Afloat
Nature of Survey Part E.S. & D.B.S.
Was Damage Report issued? Int. Cert?
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

| Hull | Machinery |
|------------------------------|----------------|
| BS | MBS CS 4,60 |
| Great Lakes and Limited Gulf | DBS 4,60 |
| of St. Lawrence Service | T.S. p&s 11,59 |
| D.S. 11,59 | NE 34 |
| Lake S.S. (M) 11,59 2 yrs. | ndb 43 |
| A.S. 4,60 | |
| Conv. barge 34 | |

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
2 Valves & Gears
3 Connecting Rods, { Side
Top Ends & Guides { Centre
4 Crankpins & { Side
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 & 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 This vessel's machinery so far as now seen is eligible in my opinion to remain as classed with record of DBS 4,61

Date of Committee MONDAY 18 SEP 1961
Decision As now DBS 4.61
50m,4,59 T. (MADE AND PRINTED IN ENGLAND)

Noted for Header

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Lloyd's Register
Engineer Surveyor to Lloyd's Register of Shipping
(Wm. HEATLIE)

010933-010942-0034

If certificate is required state where to be sent

32 Essential Independent Pumps (Identify by position)..... G.S. & Ballast Pumps - Good

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)..... Lister auxiliary generator - Good

| PROPULSION | | ELECTRICAL EQUIPMENT | |
|------------|----------------------------|----------------------|---------------------------------------|
| PORT | | STARBOARD | |
| a | Generators | | AUXILIARY EQUIPMENT |
| b | Exciters | | l Generators & Governors |
| c | Air Coolers | | |
| d | Motors | | m Motors |
| e | Air Coolers | | |
| f | Control Gear, Cables, etc. | | n Switchboards & Fittings |
| g | Insulation Resistance | | o Circuit Breakers |
| h | Insulating Oil Test | | p Cables |
| i | Overspeed Governors | | q Insulation Resistance |
| j | Magnetic Couplings | | r Steering Gear Generators and Motors |
| k | Air Gap | | s Navigation Light Indicators |

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

MAIN..... ~~AUXILIARY~~ DONKEY or PRESS..... 23.3.61

Superheaters.....

Safety Valves..... Good

Mountings, Doors & Fastenings..... Good

Safety Valves Adjusted to { Sat..... 135 P.S.I.

{ Spt.....

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 and Tear Repairs.....

Nos. 2 starboard and 4 port D.B. tank suction pipes renewed.

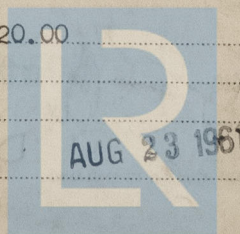
LEAVE THIS SPACE BLANK

Survey fees ... \$120.00

Damage fee ...

Expenses... \$20.00

Date when A/c rendered



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