

Rpt. 9

11.5-

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 <sup>S.S.</sup> 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

Records of Survey & Special Notations as per Register Book

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

No. of Main Boilers W.P.  
No. of ~~AND~~ 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)

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, 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

- 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 & MANCEUVRING VALVES

- 30 MAIN ENGINE DRIVEN PUMPS

- 31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manœuvring?

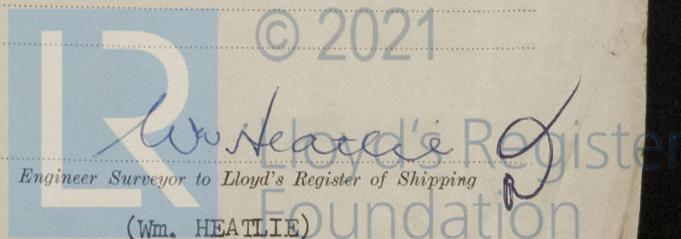
OPINION OF MACHINERY AND RECOMMENDATIONS This vessel's machinery so far as now seen is eligible in my opinion to remain as classed with record of DBS 4,61

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



010933-010942-0034

If so, is the Report sent now, or when will it be sent?

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		AUXILIARY EQUIPMENT
	PORT	STARBOARD	
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 ..... ~~AUXILIARY~~ DONKEY or PRESS ..... 23.3.61

Superheaters ..... Good

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 ..... \$20.00

Expenses... .. \$20.00

Date when A/c rendered .....