

4. REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

~~6 JUN 1945~~

Date of writing Report..... Date in Survey held at..... Date of Book..... Date on the..... Date at..... Date engines made at..... Date rollers made at..... Date registered Horse Power..... Date om. Horse Power as per Rule..... Date made for which Vessel is intended.....	Feb. 8, 1945 Montreal, Que. Single Screw Steamer "SIMCOE PARK" North Vancouver, B.C. LACHINE, Que. By whom made..... By whom made..... Owners..... 628 505 Is Refrigerating Machinery fitted for cargo purposes..... Is Electric Light fitted.....	Dec. 30, 1944 Port of Montreal, Que. Date, First Survey Dec. 1, 1944 Last Survey Dec. 23, 1944 Constant attendance (Number of Visits.....) Tons { Gross 7148.14 Net 4211.31 North Van Ship Repairs, Ltd. Yard No. 151 When built..... Engine No. 391 When made 1944 Boiler No..... When made..... Port belonging to..... Is Refrigerating Machinery fitted for cargo purposes..... Is Electric Light fitted.....
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Engines, &c.—Description of Engines		Triple Expansion		Revs. per minute		76	
No. of Cylinders		24 1/2" x 37" x 70"		Length of Stroke		48"	
No. of Cranks		3		No. of Cranks		3	
Crank shaft, dia. of journals		as per Rule 14.21"		Crank pin dia.		14 1/2"	
Crank webs		Mid. length breadth		-		Thick. parallel to axis	
as fitted		14.25"		Mid. length thickness		-	
Intermediate Shafts, diameter		as per Rule 13.53"		Thrust shaft, diameter at collars		as per Rule 14.21"	
as fitted		13.5"		as fitted		14.25"	
Screw Shafts, diameter		as per Rule 15.07"		Is the { screw } shaft fitted with a continuous liner		{ Yes }	
as fitted		15.25"		as fitted		15.25"	
Bronze Liners, thickness in way of bushes		as per Rule .76"		Thickness between bushes		as per Rule .57"	
as fitted		.78125"		as fitted		.68125"	
Propeller boss		Yes		If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner		Solid	
the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive		-		Is an approved Oil Gland or other appliance fitted at the after end of the tube		Tight Fit	
two liners are fitted, is the shaft lapped or protected between the liners		-		Length of Bearing in Stern Bush next to and supporting propeller		61"	
Propeller, dia 18' - 6"		Pitch 16' - 0"		No. of Blades		4	
Material		Bronze		whether Moveable		Solid	
Total Developed Surface		117		sq. ft.			
Need Pumps worked from the Main Engines, No.		None		Diameter		-	
Stroke		-		Can one be overhauled while the other is at work		-	
Large Pumps worked from the Main Engines, No.		Two		Diameter		4 1/2"	
Stroke		26"		Can one be overhauled while the other is at work		Yes	
Feed { No. and size		Pumps connected to the { No. and size		Main Bilge Line { How driven			
How driven							
Lubricating Oil Pumps, No. and size							
Suctions, connected to both Main Bilge Pumps and Auxiliary							
Oil Cooler							
In Holds, &c.							

Main Water Circulating Pump Direct Bilge Suctions, No. and size		Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size	
Are all the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges	Are they fitted with Valves or Cocks	Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates	Are the Overboard Discharges above or below the deep water line
Are they each fitted with a Discharge Valve always accessible on the plating of the vessel	Are the Blow Off Cocks fitted with a spigot and brass covering plate	How are they protected	
Have they been tested as per Rule			
Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times			
Is the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one compartment to another	Is the Shaft Tunnel watertight	Is it fitted with a watertight door	worked from

AIN BOILERS, &c.— (Letter for record) Total Heating Surface of Boilers
 hich Boilers are fitted with Forced Draft Which Boilers are fitted with Superheaters
 . and Description of Boilers Working Pressure ~~250 lbs./sq.in. (Spht. 230 lbs./sq.in.)~~
 220 lbs/sq. in.
 A REPORT ON MAIN BOILERS NOW FORWARDED?
 A DONKEY BOILER FITTED? If so, is a report now forwarded?
 n the donkey boiler be used for domestic purposes only.
 ANS. Are approved plans forwarded herewith for Shafting Main Boilers Auxiliary Boilers Donkey Boilers
 (If not state date of approval)
 berheaters. General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR.

Is the spare gear required by the Rules been supplied.....

Is the principal additional spare gear supplied.....

The foregoing is a correct description
Canadian Allis-Chalmers Limited

Manufacturer.

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011877- 011883- 0033

During progress of
work in shops - -

During erection on (board vessel - - -)

Total No. of visits

Pistons 8.12.44 4.12.44 6.12.44 Piston Rods 20.12.44 Connecting rods 14.12.44

Crank shaft 20.12.44 Thrust shaft 20.12.44 Intermediate shafts

Tube shaft Screw shaft Propeller

Stern tube..... Engine and boiler seatings..... Engines holding down bolts

Completion of fitting sea connections

Completion of pumping arrangements..... Boilers fixed..... Engines tried under steam.....

Main boiler safety valves adjusted..... Thickness of adjusting washers.....

Crank shaft material **O.H. Steel** Identification Mark **HGLP.20.12.44** Thrust shaft material **O.H. Steel** Identification Mark **HGLP.20**

Intermediate shafts, material **O. H. Steel** Identification Marks **770, 71** Tube shaft, material **-** Identification Mark **-**

Screw shaft, material O.H. Steel Identification Mark _____ Steam Pipes, material _____ Test pressure _____ Date of Test _____

Is an installation fitted for burning oil fuel..... Is the flash point of the oil to be used over 150°F.

Have the requirements of the Rules for the use of oil as fuel been complied with

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo.....If so, have the requirements of the Rules been complied with.

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with

Is this machinery duplicate of a previous case Yes If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)

This ENGINE has been constructed under Special Survey and in conformity with the Society's Rules Regulations and Secretary's letters.

The scantlings are in accordance with, or equivalent to, those shown on the Approved Plans.

The materials and workmanship are good and the H.P., M.P. and L.P. Cylinders were hydrostatically tested to 330, 110 and 30 lbs. pressure per square inch respectively and found sound and tight at those pressures.

This ENGINE has now been shipped to VANCOUVER, B. C. for installation and official trials.

It is recommended for the favourable consideration of the Committee that the record of ✠ L.M.C. (with date) be made in the Register Book, in the case of this Vessel, subject to satisfactory installation and trials.

The amount of Entry Fee ...	\$	30 ⁻	:) When applied for, 17 th Mch. 1945
Special ...	\$	267 ⁰⁰	:	
Donkey Boiler Fee ...	\$:) When received, 16.4.45
Travelling Expenses (if any)	\$	19 ⁵⁰	:	
			:	✓ 19

Engineer Surveyor to Lloyd's Register of Shipping

FRI. 15 JUN 1945

Committee's Minute

Assigned

see minute
on 26 Rpt.

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Certificate to be sent to.