

# REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 29 NOV 1944

of writing Report **June 27, 1944** When handed in at Local Office **June 9, 1944** Port of **Montreal, Que.**

in **Survey held at Montreal, Que.** Date, First Survey **April 3, 1944** Last Survey **June 7, 1944**

eg. Book. **Constant attendance** (Number of Visits) Gross **6709.66** Net **4236.71**

on the **Single Screw Steamer "MOUNT ROBSON PARK"** Tons **6709.66**

uilt at **Vancouver, B.C.** By whom built **West Coast Shipbuilders, Ltd.** Yard No. **144** When built **1944**

Engines made at **LACHINE, QUE.** By whom made **DOMINION ENGINEERING WORKS LIMITED** Engine No. **172** When made **1944**

Boilers made at **LACHINE, QUE.** By whom made **DOMINION ENGINEERING WORKS LIMITED** Boiler No. **172** When made **1944**

Registered Horse Power **628** Owners **Port belonging to**

om. Horse Power as per Rule **628** Is Refrigerating Machinery fitted for cargo purposes **Is Electric Light fitted**

ade for which Vessel is intended

GINES, &c.—Description of Engines **Triple Expansion** Revs. per minute **76**

ia of Cylinders **24 1/2" x 37" x 70"** Length of Stroke **48"** No. of Cylinders **3** No. of Cranks **3** **9" & 9 1/2"**

rank shaft, dia. of journals **14.21"** as per Rule **14.21"** Crank pin dia. **14 1/2"** Crank webs **Mid. length breadth** **Thrust shaft, diameter at collars** **14.21"** as per Rule **14.21"**

Intermediate Shafts, diameter **14.25"** as fitted **14.25"** **13.53"** as per Rule **13.53"** **13.5"** as fitted **13.5"**

ube Shafts, diameter **15.07"** as per Rule **15.07"** **15.25"** as fitted **15.25"** **15.5"** as per Rule **15.5"**

ronze Liners, thickness in way of bushes **.76"** as per Rule **.76"** **.78125"** as fitted **.78125"** **.57"** as per Rule **.57"** **.68125"** as fitted **.68125"**

opeller 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 **Tight Fit**

two liners are fitted, is the shaft lapped or protected between the liners **Is an approved Oil Gland or other appliance fitted at the after end of the tube**

ast **No** If so, state type **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.

eed Pumps worked from the Main Engines, No. **None** Diameter **-** Stroke **-** Can one be overhauled while the other is at work **-**

ilge 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 **-**

umps (How driven **Main Bilge Line** { How driven **-**

allast Pumps, No. and size **Lubricating Oil Pumps, including Spare Pump, No. and size**

are two independent means arranged for circulating water through the **Oil Cooler** **Suctions, connected to both Main Bilge Pumps and Auxiliary**

ilge Pumps; In Engine and Boiler Room **In Holds, &c.**

ain Water Circulating Pump Direct Bilge Suctions, No. and size **Independent Power Pump Direct Suctions to the Engine Room Bilges,**

o. and size **Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes**

re 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

re all **Sea Connections** fitted direct on the skin of the ship **Are they fitted with Valves or Cocks**

re 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**

re 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**

hat Pipes pass through the bunkers **How are they protected**

hat pipes pass through the deep tanks **Have they been tested as per Rule**

re all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

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

mpartment 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**

o. and Description of Boilers **Working Pressure** **250 lbs./sq.in. (Spht. 230 lbs./sq.in.)**

S A REPORT ON MAIN BOILERS NOW FORWARDED?

S A DONKEY BOILER FITTED? **If so, is a report now forwarded?**

an the donkey boiler be used for domestic purposes only

PLANS. Are approved plans forwarded herewith for Shafting **Main Boilers** **Auxiliary Boilers** **Donkey Boilers**

(If not state date of approval)

uperheaters **General Pumping Arrangements** **Oil fuel Burning Piping Arrangements**

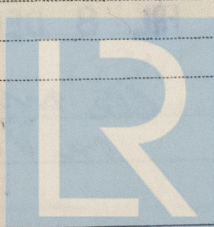
## SPARE GEAR.

as the spare gear required by the Rules been supplied

ate the principal additional spare gear supplied

The foregoing is a correct description  
Dominion Engineering Works Limited  
Per **P. H. Van Batten**

Manufacturer.



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011485-011492-0160



From April 3, 1944 to June 7, 1944

Dates of Survey while building	During progress of work in shops - -		18.5.44		18.5.44		18.5.44			
	During erection on board vessel - - -		16.5.44		6.4.44		16.5.44			
	Total No. of visits									
Dates of Examination of principal parts -		Cylinders	16.5.44	6.4.44	Slides	16.5.44	6.4.44	Covers	16.5.44	6.4.44
Pistons		16.5.44	6.4.44	18.5.44	Piston Rods	7.6.44	Connecting rods	7.6.44		
Crank shaft		7.6.44	Thrust shaft	23.5.44	Intermediate shafts					
Tube shaft			Screw shaft		Propeller					
Stern tube			Engine and boiler seatings		Engines holding down bolts					
Completion of fitting sea connections			Boilers fixed		Engines tried under steam					
Completion of pumping arrangements			Thickenss of adjusting washers							
Main boiler safety valves adjusted			Lloyd's 435							
Crank shaft material		O.H. Steel	Identification Mark	B.H. 7.6.44	Thrust shaft material	O.H. Steel	Identification Mark	B.H. 23		
Intermediate shafts, material		O.H. Steel	Identification Marks		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.

Certificate to be sent to

The amount of Entry Fee	...	30:00	When applied for, 27 July 1944
Special	...	267:00	
Donkey Boiler Fee	...	50:00	When received, 19
Travelling Expenses (if any)	...	10:00	

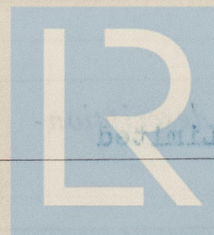
Committee's Minute

Assigned

FRI. 8 DEC 1944

see minute  
on Vcr 26 Apr.

Engineer Surveyor to Lloyd's Register of Shipping



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