

4. REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 6 JUN 1945

of writing Report **Feb. 8, 1945** When handed in at Local Office **Dec. 30, 1944** Port of **Montreal, Que.**

Survey held at **Montreal, Que.** Date, First Survey **Dec. 1, 1944** Last Survey **Dec. 23, 1944**

g. Book on the **Single Screw Steamer "SIMCOE PARK"** Constant attendance (Number of Visits) **7148.14**
Tons **4211.31**

ilt of **North Vancouver, B. C.** whom built **North Van Ship Repairs, Ltd.** Yard No. **151** When built

ines made at **LACHINE, Que.** By whom made **CANADIAN ALLIS-CHALMERS** Engine No. **391** When made **1944**
By whom made **LIMITED**

ilers made at By whom made Boiler No. When made

gistered Horse Power Owners Port belonging to

om. Horse Power as per Rule **628 505** 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**

a. 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"**
on L.P.

ank shaft, dia. of journals as per Rule **14.21"** Crank pin dia. **14 1/2"** Crank webs Mid. length breadth **-** Thickness parallel to axis **7 1/8" & 7 5/8"**
as fitted **14.25"** Mid. length thickness **-** Thickness around eye-bolt

ermediate 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"**

be Shafts, diameter as per Rule **15.07"** Is the ~~rod~~ shaft fitted with a continuous liner **Yes**
as fitted **15.25"** as fitted

ronze Liners, thickness in way of bushes as per Rule **.76"** Thickness between bushes as per Rule **.57"**
as fitted **.78125"** as fitted **.68125"** Is the after end of the liner made watertight in the

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 **-**

ft **No** If so, state type **-** Length of Bearing in Stern Bush next to and supporting propeller **61"**

opeller, 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 **-**

lge 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**

eed (No. and size) Pumps connected to the (No. and size)

umps (How driven) **Main Bilge Line** (How driven)

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

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

ce Pump Room **In Holds, &c.**

ain Water Circulating Pump Direct Bilge Suctions, No. and size Independent Power Pump Direct Suctions to the Engine Room Bilges,
and size **Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes**

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

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

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**

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**

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

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

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
partment 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)

erheaters General Pumping Arrangements Oil fuel Burning Piping Arrangements

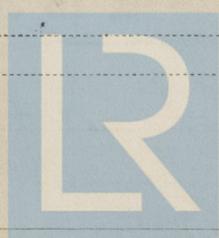
SPARE GEAR.

s the spare gear required by the Rules been supplied

te the principal additional spare gear supplied

The foregoing is a correct description
Canadian Allis-Chalmers Limited

Manufacturer.



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Foundation

011877-011883-0033

From December 1st, 1944 to December 23rd, 1944 (Constant Attendance)

Dates of Survey while building
 During progress of work in shops - -
 During erection on board vessel - - -
 Total No. of visits

Dates of Examination of principal parts — Cylinders 8.12.44 6.12.44 4.12.44 Slides 8.12.44 6.12.44 4.12.44 Covers 8.12.44 6.12.44 4.12.44
 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 Lloyd's 6625 HGLP.20.12.44 Thrust shaft material O.H. Steel Identification Mark Lloyd's HGLP.20
 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.

The Surveyors are requested not to write on or below the space for Committee's Minute.

The amount of Entry Fee ... \$ 30⁰⁰ : When applied for,
 Special ... \$ 267⁰⁰ : (7th. Mo. 1945)
 Donkey Boiler Fee ... \$: (6.4.45) VCR
 Travelling Expenses (if any) \$ 19⁵⁰ : When received, PR

Weymante
 Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 15 JUN 1945

Committee's Minute
 Assigned *see minute on J's Rpt.*

