

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office.

Writing Report 5th AUG. 1943 When handed in at Local Office

27th Aug 43 Port of HALIFAX, N. S. 4 OCT 1943

Survey held at PICTOU, N. S.

Date, First Survey 1st Dec, 1942 Last Survey 4th JUNE 1943

on the S/S "CRESCENT PARK"

(Number of Visits 18)

Tons {Gross 2873  
Net 1654

at PICTOU, N. S. By whom built FOUNDATION MARITIME LIMITED

Yard No. 2 When built 1943

es made at LACHINE, P. Q.

By whom made DOMINION BRIDGE CO. LTD.

Engine No. 2006 When made 1943

s made at LACHINE, P. Q.

By whom made DOMINION BRIDGE CO. LTD.

Boiler No. B1042 P6 S6 When made 1943

ered Horse Power

Owners CANADIAN GOVERNMENT

Port belonging to MONTREAL

Horse Power as per Rule 269

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted YES

for which Vessel is intended

OCEAN GOING

GINES, &amp;c.—Description of Engines

TRIPLE EXPANSION - 3 CYLINDERS

Revs. per minute 72

f Cylinders 20" 31" 55"

Length of Stroke 39"

No. of Cylinders THREE

No. of Cranks THREE

shaft, dia. of journals as per Rule 10.99"

Crank pin dia. 11.25"

Crank webs

Mid. length breadth 16.25"

Thickness parallel to axis 6.875"

as fitted 11.25"

as per Rule 10.47"

Mid. length thickness 6.875"

Thrust shaft, diameter at collars as per Rule 10.99"

Thickness around eye-hole 4.75"

mediate Shafts, diameter as fitted 10.75"

as per Rule 10.47"

as fitted 11.25"

as fitted 11.25"

as fitted 11.25"

Shafts, diameter as fitted

Screw Shaft, diameter as per Rule 11.78"

as fitted 12.25"

Is the tube shaft fitted with a continuous liner YES

as fitted 12.25"

Liners, thickness in way of bushes as per Rule .657"

as fitted .6875"

Thickness between bushes as per Rule .493"

as fitted .532"

Is the after end of the liner made watertight in the

YES

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner

YES

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

YES

Liners are fitted, is the shaft lapped or protected between the liners

YES

Is an approved Oil Gland or other appliance fitted at the after end of the tube

YES

If so, state type

Length of Bearing in Stern Bush next to and supporting propeller 51.375"

Material BRONZE

whether Moveable NO

Total Developed Surface " sq. ft.

Pumps worked from the Main Engines, No. 2

Diameter 3"

Stroke 26"

Can one be overhauled while the other is at work YES

Pumps worked from the Main Engines, No. 2

Diameter 4.25"

Stroke 26"

Can one be overhauled while the other is at work YES

(No. and size One 6" Simplex, 1 - 2" Injector)

Pumps connected to the Main Bilge Line

No. and size Main Engine pumps and ballast pump.

How driven Main Engine Indep't Steam.

(How driven Indep't. Steam)

Main Bilge Line

How driven Main Engine Indep't Steam.

Pumps, No. and size One Duplex 12" Dia.

independent means arranged for circulating water through the Oil Cooler

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

Suctions, connected to both Main Bilge Pumps and Auxiliary

Pumps;—In Engine and Boiler Room Five 3" dia. &amp; two bilge suction from dry tanks, under boilers.

In Holds, &amp;c. Nos. 1 &amp; 2 - 3" dia. Nos 3 &amp; 4 - 2½" dia.

Water Circulating Pump Direct Bilge Suctions, No. and size One - 6" dia.

Independent Power Pump Direct Suctions to the Engine Room Bilges,

size One - 6", One - 4"

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes YES

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

YES

Sea Connections fitted direct on the skin of the ship YES

fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates

Are they fitted with Valves or Cocks VALVES

Are the Overboard Discharges above or below the deep water line BELOW

each fitted with a Discharge Valve always accessible on the plating of the vessel YES

How are they protected

Are the Blow Off Cocks fitted with a spigot and brass covering plate YES

How are they protected

Have they been tested as per Rule

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

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

ent to another YES

Is the Shaft Tunnel watertight YES

Is it fitted with a watertight door NO

Perm. Closed.

BOILERS, &amp;c.—(Letter for record S)

Total Heating Surface of Boilers 3854 sq.ft.

Boilers are fitted with Forced Draft Port &amp; Stbd.

Which Boilers are fitted with Superheaters Port &amp; Stbd.

Description of Boilers Two multitubular Scotch Type.

Working Pressure 200 lbs.

REPORT ON MAIN BOILERS NOW FORWARDED? YES

DONKEY BOILER FITTED? NO

If so, is a report now forwarded?

Are approved plans forwarded herewith for Shafting App. London

(If not state date of approval)

Main Boilers App. New York

Auxiliary Boilers

Donkey Boilers

General Pumping Arrangements COPY HEREWITH

Oil fuel Burning Piping Arrangements

SPARE GEAR.

are gear required by the Rules been supplied YES

Principal additional spare gear supplied One set packing wearing segments for all piston rods &amp; valve spindles.

25 Condenser tubes &amp; 50 ferrules.

10 Plain boiler tubes, one furnace door &amp; 2 ash pit doors &amp; spare gear for

forced draught fronts.

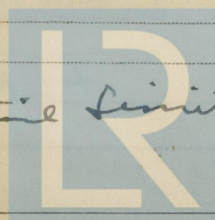
The foregoing is a correct description

Foundation Maritime Limited

R. B. Shaw

Manager

Manufacturer.



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Lloyd's Register  
Foundation

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Dates of Survey while building  
 During progress of work in shops - -  
 1st Dec./42 11th-13th Jan./43. 10th Feb., 8th Mar., 5th, 17th Apr.  
 During erection on board vessel - -  
 9th, 14th, 15th, 17th, 20th May, 1st, 2nd & 4th June.  
 Total No. of visits ✓

Dates of Examination of principal parts — Cylinders \_\_\_\_\_ Slides \_\_\_\_\_ Covers \_\_\_\_\_  
 Pistons \_\_\_\_\_ Piston Rods \_\_\_\_\_ Connecting rods \_\_\_\_\_  
 Crank shaft \_\_\_\_\_ Thrust shaft \_\_\_\_\_ Intermediate shafts 26-2-43  
 Tube shaft ✓ Screw shaft \_\_\_\_\_ Propeller 1-12-42  
 Stern tube 1-12-42 Engine and boiler seatings 26-2-43 Engines holding down bolts 26-3-43  
 Completion of fitting sea connections. 4-12-42  
 Completion of pumping arrangements 1-6-43 Boilers fixed 26-3-43 Engines tried under steam 2-6-43  
 Main boiler safety valves adjusted 3-6-43 Thickness of adjusting washers P.B1'r P.475" S.316", S B1'r P.486" S.  
 Crank shaft material O.H.Steel Identification Mark 5473 Thrust shaft material O.H.Steel Identification Mark 551  
 Intermediate shafts, material O.H.Steel Identification Mark 8651, 8492, 8658, 8667, 8321 be shaft, material ✓ Identification Mark  
 Screw shaft, material O.H.Steel Identification Mark 8314 Steam Pipes, material STEEL Test pressure 600 lbs/sq.in. Date of Test 17-  
 Is an installation fitted for burning oil fuel NO 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 NO 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 "VICTORIA PARK"  
 General Remarks (State quality of workmanship, opinions as to class, &c.

The boilers and machinery of this vessel have been installed on board under special survey and in accordance with the Approved Plans, Rules Requirements and Specifications and special instructions received from Wartime Merchant Shipping Ltd.

The steam & feed pipes have been tested to Rule Requirements and found sound and tight. The boilers examined under steam and the safety valves adjusted to 200 lbs. per sq.in. in main valves and 205 lbs. per sq.in superheater safety valves.

The materials and workmanship are of good quality and the main auxiliary machinery, pumping arrangements, etc. have all been tried under full working conditions and found satisfactory.

In our opinion this machinery is suitable for the purpose intended and eligible for the notation + L.M.C. 6,43 and T.S.(cl)6,43.

The amount of Entry Fee ... £ : : When applied for,  
 Special ... \$250.00 : : Aug. 27 1943  
 Donkey Boiler Fee ... £ : : When received,  
 Travelling Expenses (if any) \$ 95.40 : : 19

Committee's Minute

Assigned

TUES 12 OCT 1943

+LMC 6.43 J.D.C.L

for H. Nain  
 Engineer Surveyor to Lloyd's Register of Shipping  
 for T. Moon E. Marlborough



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