

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

10th. Sept. 45
April 24th, 1945.

12th. Sept. 45

Date of writing Report When handed in at Local Office March 23rd 1945. Port of Montreal, Que. & Quebec, Que.

No. in Survey held at Three Rivers, P.Q. & Quebec, Que. Date, First Survey August 29th, 1944 Last Survey March 20th, 1945.

Reg. Book Constant attendance (Number of Visits) 2967.24

on the Steel Single Screw Steamer "WESTDALE PARK" Tons (Gross) 2967.24 (Net) 1640.77

Built at QUEBEC, QUE. By whom built MORTON ENGINEERING & DRY DOCK CO. LTD. Yard No. 63 When built 1945

Engines made at Three Rivers, P.Q. By whom made Canada Iron Foundries Ltd. Engine No. 2040 When made 1945

Boilers made at LACHINE By whom made DOMINION BRIDGE CO. LTD. Boiler No. B1509-P5 B1509-S5 When made 1945

Registered Horse Power Owners CANADIAN GOVERNMENT Port belonging to MONTREAL

Com. Horse Power as per Rule 268.81 269 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

Trade for which Vessel is intended Ocean Going

Engines, &c.—Description of Engines Triple Expansion 3 Cylinders— Revs. per minute 72

Dia. of Cylinders 20" 31" 55" Length of Stroke 39" No. of Cylinders 3 No. of Cranks 3

Crank 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"

Intermediate Shafts, diameter as per Rule 10.47" Thrust shaft, diameter at collars as per Rule 10.99"

Tube Shafts, diameter as per Rule --- Screw Shaft, diameter as per Rule 11.78" Is the shaft fitted with a continuous liner? Yes

Bronze Liners, thickness in way of bushes as per Rule .657" Thickness between bushes as per Rule .493" Is the after end of the liner made watertight in the propeller boss? Yes

Propeller, dia. 15.75' Pitch 14.0' No. of Blades 4 Material Bronze whether Moveable No Total Developed Surface 75 sq. ft.

Feed Pumps worked from the Main Engines, No. 2 Diameter 3" Stroke 26" Can one be overhauled while the other is at work? Yes

Bilge Pumps worked from the Main Engines, No. 2 Diameter 4.25" Stroke 26" Can one be overhauled while the other is at work? Yes

Feed Pumps (No. and size Two X 3", Two X 8" X 6" X 15" Pumps connected to the Main Eng. Weirs Steam driven Main Bilge Line) (No. and size Two X 4.25", One X 10" X 12" X 10" How driven Main Eng., Duplex, Steam.

Ballast Pumps, No. and size One 10" X 12" X 10" Lubricating Oil Pumps, including Spare Pump, No. and size ---

Are there two independent means arranged for circulating water through the Oil Cooler? --- Suctions, connected to both Main Bilge Pumps and Auxiliary

Bilge Pumps;—In Engine and Boiler Room E.R. One X 4", Three X 3" B.R. Two X 3"

Pump Room --- In Holds, &c. Nos. 1, 2, One each P&St. X 3" No. 3 & 4 one each P&St. X 2 1/2"

Dry Tank one each P & St. X 3" Tunnel well one X 2 1/2". FP & AP on ballast Range one each 3 1/2" & 4" respectively.

Main Water Circulating Pump Direct Bilge Suctions, No. and size One X 6" Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size One X 4" St. side. Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes? Yes

Are 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? Yes

Are all Sea Connections fitted direct on the skin of the ship? No, on Steel Stools Are they fitted with Valves or Cocks? Valves

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates? Yes Are the Overboard Discharges above or below the deep water line? Below

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel? Yes Are the Blow Off Cocks fitted with a spigot and brass covering plate? Yes

What Pipes pass through the bunkers? None How are they protected? ---

What pipes pass through the deep tanks? --- 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? Yes

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? Yes Is the Shaft Tunnel watertight? Yes Is it fitted with a watertight door? No welded plate fitted.

MAIN BOILERS, &c.— (Letter for record S) Total Heating Surface of Boilers 3854 Square Feet

Which Boilers are fitted with Forced Draft Port & Stbd. Which Boilers are fitted with Superheaters Port & Stbd.

No. and Description of Boilers 2 - Multitubular Scotch Boilers Working Pressure 200 lbs /Square Inch

IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

IS A DONKEY BOILER FITTED? No If so, is a report now forwarded? ---

Can the donkey boiler be used for domestic purposes only? Approved Approved

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

Superheaters approved General Pumping Arrangements approved Oil fuel Burning Piping Arrangements ---

SPARE GEAR.

Is the spare gear required by the Rules been supplied? Yes

Is the principal additional spare gear supplied? ---

The foregoing is a correct description Canada Iron Foundries Limited

Per: [Signature]

Manufacturer.



Constant attendance - from August 29th, 1944 to March 20th, 1945.

Dates of Survey while building

During progress of work in shops - -
During erection on board vessel - -

19TH. MARCH TO 9TH. AUGUST 1945

Total No. of visits CONTINUOUS ATTENDANCE

Dates of Examination of principal parts - Cylinders 21.2.45 28.2.45 Slides 8.1.45 9.2.45 Covers 12.1.45 7.2.45
Pistons 29.1.45 14.2.45 20.3.45 Piston Rods 31.1.45 24.2.45 20.3.45 Connecting rod 22.1.45 25.2.45 20.3.45
Crank shaft 2.2.45 27.2.45 9.3.45 Thrust shaft 12.9.44 9.3.45 Intermediate shafts 2-2-45
Tube shaft -- Screw shaft 28-2-45 Propeller No. 41-Lloyd's 3630-W.F.M.13-12-45
Stern tube 20-2-45 Engine and boiler seatings 4-6-45 Engines holding down bolts 16-7-45

Completion of fitting sea connections 5-6-45
Completion of pumping arrangements 27-8-45 Boilers fixed 16-7-45 Engines tried under steam 21-8-45
Main boiler safety valves adjusted 21-8-45 Thickness of adjusting washers Port .036" Starbd. .047"
Crank Webs, Cast Steel LLOYD'S 3334 .042" .054"
Crank shaft material Pins & Journals Identification Mark T.C.9.3.45 Thrust shaft material O.H. Steel Identification Mark H.P.12.9.45
(O.H. Steel 9605, 9583 9569 T.M 2-2-45 T.C.9.3.45
Intermediate shafts, material O.H. Steel Identification Marks 9626, 9602, ~~9603, 9604, 9605, 9606, 9607, 9608, 9609, 9610, 9611, 9612, 9613, 9614, 9615, 9616, 9617, 9618, 9619, 9620, 9621, 9622, 9623, 9624, 9625, 9627, 9628, 9629, 9630, 9631, 9632, 9633, 9634, 9635, 9636, 9637, 9638, 9639, 9640, 9641, 9642, 9643, 9644, 9645, 9646, 9647, 9648, 9649, 9650, 9651, 9652, 9653, 9654, 9655, 9656, 9657, 9658, 9659, 9660, 9661, 9662, 9663, 9664, 9665, 9666, 9667, 9668, 9669, 9670, 9671, 9672, 9673, 9674, 9675, 9676, 9677, 9678, 9679, 9680, 9681, 9682, 9683, 9684, 9685, 9686, 9687, 9688, 9689, 9690, 9691, 9692, 9693, 9694, 9695, 9696, 9697, 9698, 9699, 9700, 9701, 9702, 9703, 9704, 9705, 9706, 9707, 9708, 9709, 9710, 9711, 9712, 9713, 9714, 9715, 9716, 9717, 9718, 9719, 9720, 9721, 9722, 9723, 9724, 9725, 9726, 9727, 9728, 9729, 9730, 9731, 9732, 9733, 9734, 9735, 9736, 9737, 9738, 9739, 9740, 9741, 9742, 9743, 9744, 9745, 9746, 9747, 9748, 9749, 9750, 9751, 9752, 9753, 9754, 9755, 9756, 9757, 9758, 9759, 9760, 9761, 9762, 9763, 9764, 9765, 9766, 9767, 9768, 9769, 9770, 9771, 9772, 9773, 9774, 9775, 9776, 9777, 9778, 9779, 9780, 9781, 9782, 9783, 9784, 9785, 9786, 9787, 9788, 9789, 9790, 9791, 9792, 9793, 9794, 9795, 9796, 9797, 9798, 9799, 9800, 9801, 9802, 9803, 9804, 9805, 9806, 9807, 9808, 9809, 9810, 9811, 9812, 9813, 9814, 9815, 9816, 9817, 9818, 9819, 9820, 9821, 9822, 9823, 9824, 9825, 9826, 9827, 9828, 9829, 9830, 9831, 9832, 9833, 9834, 9835, 9836, 9837, 9838, 9839, 9840, 9841, 9842, 9843, 9844, 9845, 9846, 9847, 9848, 9849, 9850, 9851, 9852, 9853, 9854, 9855, 9856, 9857, 9858, 9859, 9860, 9861, 9862, 9863, 9864, 9865, 9866, 9867, 9868, 9869, 9870, 9871, 9872, 9873, 9874, 9875, 9876, 9877, 9878, 9879, 9880, 9881, 9882, 9883, 9884, 9885, 9886, 9887, 9888, 9889, 9890, 9891, 9892, 9893, 9894, 9895, 9896, 9897, 9898, 9899, 9900, 9901, 9902, 9903, 9904, 9905, 9906, 9907, 9908, 9909, 9910, 9911, 9912, 9913, 9914, 9915, 9916, 9917, 9918, 9919, 9920, 9921, 9922, 9923, 9924, 9925, 9926, 9927, 9928, 9929, 9930, 9931, 9932, 9933, 9934, 9935, 9936, 9937, 9938, 9939, 9940, 9941, 9942, 9943, 9944, 9945, 9946, 9947, 9948, 9949, 9950, 9951, 9952, 9953, 9954, 9955, 9956, 9957, 9958, 9959, 9960, 9961, 9962, 9963, 9964, 9965, 9966, 9967, 9968, 9969, 9970, 9971, 9972, 9973, 9974, 9975, 9976, 9977, 9978, 9979, 9980, 9981, 9982, 9983, 9984, 9985, 9986, 9987, 9988, 9989, 9990, 9991, 9992, 9993, 9994, 9995, 9996, 9997, 9998, 9999, 10000~~
Screw shaft, material O.H. Steel Identification Mark 9587 Steam Pipes, material S.D.C.R. Test pressure 600Lbs. Date of Test 27-7-45
TM 2-2-45

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 S.S. "ROCKWOOD PARK"

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

This ENGINE together with Thrust Shaft, Thrust Block and Condenser have been constructed under Special Survey in accordance with the Rules and Approved Plans, and the workmanship is, in my opinion, good.

The forgings and castings have been tested and finally examined by the undersigned and found satisfactory.

This ENGINE has been shipped to MORTON ENGINEERING & DRY DOCK, Quebec., 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 the Vessel, subject to satisfactory installation and sea trials.

The MACHINERY of this Vessel has now been properly fitted on board and on completion tried under full working conditions and found satisfactory. The Safety Valves have been adjusted under steam tested for accumulation and thickness of washers noted. In my opinion this Vessel is eligible for record of L.M.C. 8,45 and notation T.S.(C.L.)

Committee's Minute

The amount of Entry Fee ... \$ 20.⁰⁰ : When applied for,
Special ... \$ 325.⁰⁰ : (22nd Sept. 45)
Donkey Boiler Fee ... \$: : When received,
Travelling Expenses (if any) \$ Included 19.
in Hull Rpt.

Committee's Minute ... 2 NOV 1945

Assigned + LMC 8,45
F.D. C.L. Sph.

Shirley Park, R.A.S. and
Engineer Surveyor to Lloyd's Register of Shipping.



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