

# Report of Survey for Repairs, &c., of Engines and Boilers.

(Received at London Office 27 DEC 1947)

Date of writing Report 27th October 1947 When handed in at Local Office 28th October 1947 Port of QUEBEC, P.Q.  
 No. in 8 Book Survey held at Lauzon, P.Q. Date, First Survey 24th July Last Survey 6th October 1947  
0378 on the Machinery of the Wood, Iron or Steel Single Screw Steamer "OAKMOUNT" (No. of Visits 16)

Gross 2883 Net 1655 Vessel built at St. John, N.B. By whom St. John D.D. & S.B. Co. Ltd. When 1945 1  
 Engines made at Three Rivers, P.Q. By whom Canadian Iron Foundries When 1945  
 Boilers, when made (Main) 1945 (Donkey)  
 Owners Atlantic Shipping Agencies Ltd. Owners' Address  
 (if not already recorded in Appendix to Register Book.)  
 Managers Port Montreal Voyage  
 If Surveyed Afloat or in Dry Dock Champlain dry dock  
 (State name of Dock.) Afloat inner Basin, Quebec

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER * for Special Survey Date of last Survey and of Periodical Surveys.	Years assigned now expired.	Machinery and Boiler Surveys (including date of N.B., if any)
100A1		LMC 1-45
3.47		T.S. (CL)
		2.47

## Report No. Port Particulars of Examination and Repairs (if any)

Particulars of Examination and Repairs (if any) Dmg. Dkg. Part LMC  
oil fuel Conv.  
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Latest Character of Ship and Machinery precisely as in the Register Book

Is a Certificate required? If so, to be sent to

Section 29) Part L.M.C. \$ 90.00  
 or Repair Fee (if any) T.S. \$ 15.00  
 Section 29) O.F. Conv. \$ 90.00  
 expenses (if chargeable) \$ 150.00  
 \$ 8.50

Fees applied for  
Nov. 18, 1947  
 Received by me,  
19

J. Galkin  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute  
 ned

FRI. 9 JAN 1948

As now  
 5.8.47  
 Fitted for oil fuel re.



Damage Repairs: (Cont'd.) Steady bearing in tunnel remetalled and fitted.

Main, auxiliary, and Frig condensers, cleaned, tested and proven sound and tight.

Main engine, thrust and tunnel water service pipes cleaned and tested.

Thrust and intermediate shafting re-aligned, tested and re-chocked.

Bulkhead stuffing Box repacked.

Main engine bearings No. 1, 3, 5 top halves re-adjusted.

H.P. & I.P. bottom ends adjusted.

Ballast pump both water end liners renewed, suction and delivery valves and springs renewed, delivery side of chest bored (1/2") tapped, plugged and tested.

General service pump, valves, cleaned and replaced.

Circulating pump shaft skimmed and bearings adjusted.

Windlass engine, main bearings also top and bottom ends adjusted.

Several cylinder cover studs renewed.

Part L.M.C.:- At the request of the Owners' Representative the following machinery was opened up, cleaned, examined, found or placed in good order and it was stated that the remaining machinery to complete the survey would be opened up at the first convenient opportunity.

Main Engine:- H.P. & I.P. cylinders covers, piston rings and rods.

H.P. & I.P. valve chests, covers, valves and rods.

H.P., I.P. & L.P. top and bottom ends.

All main bearings and thrust.

Crankshaft, thrust and intermediate shafting and bearings.

Link driven air and bilge pumps.

Holding down bolts.

Aux. Machinery: Bilge, Ballast, circulating, feed and general service pumps

Main and auxiliary condensers, tested.

Windlass engine.

Feed heater tested.

Boiler Survey: Oil fuel units, heaters, valves, strainers, and piping also extended spindles.

Transfer pump.

Wear & Tear Repairs: Main Engine:- H.P. Valve rings renewed.

I.P. valve spindle hole bored and bushed. Bonnet bush also renewed.

All top, bottom ends and main bearings adjusted.

Aux. Machinery: Feed pump, bucket and piston rings renewed.

Remaining to Complete L.M.C.: Main Engine:- L.P. cylinder, cover, piston, rings & rods.

L.P. valve chest, cover, valve and spindle

All eccentrics and valve gear.

All guides and shoes.

Aux. Machinery: Both dynamos engines

Pumping arrangements.



Aux. Machinery:- (Cont'd) Steering engine.

Electrical Equip.:- Both Generators, switchboard, switches, fuse, distribution box, and cable throughout to be examined, megger tested. Switch and governor gear to be tried under full working conditions. all spare gear to be checked.

Boiler Survey:- Boilers to be examined internally and externally together with all mountings and manholes. Safety valves to be adjusted under steam.

Oil Fuel Conversion: Now done:-

All furnaces and furnace fronts altered for oil fuel burning and savealls fitted under each furnace front.

Two fuel units and heaters, also transfer pump with required filling, suction and delivery steel piping and strainers fitted in accordance with approved plans dated 11-9-47 New York, copy herewith attached.

Lighting up set fitted in stokehold.

Spare gear supplied as per Rule requirements.

Existing coal bunkers Port & Starboard converted for storage of oil fuel (3 separate tanks each side). No. 6 D.B. tank also fitted for storage of oil fuel.

all fuel tanks fitted with solid drawn steel piping for heating coils which were hydrostatically tested in place to 400 lbs. per sq. in. and proven sound and tight.

Cofferdam fitted under side bunker oil fuel tanks in way of fresh water tanks. Oil gutterway also fitted around bunker tanks P & St. and led to oil bilge and suctions fitted to oil fuel transfer pump.

Observation tank made and installed.

Control rods worked from upper deck fitted to bunker suction valves, also to oil fuel units and transfer pump steam valves.

Smothering steam lines fitted under boilers and valve controlled from upper deck.

Sand boxes fitted in firehole.

Two foamite extinguishers fitted in stoke hold.

Pneumaticator system of sounding fitted in all bunker tanks. Air pipes fitted as per Rule requirements.

Air and sounding pipes fitted to Nos. 6 D.B. tank as per Rule requirements.

On completion of oil fuel conversion all new installation hydrostatically tested in place and afterwards examined under full working conditions, during a four (4) hour river trial and found satisfactory.

Approved Plans attached:- Diagrammatic arrangement of O.F. suction, transfer filling and air pipes 11-9-47 N.Y.

Diagrammatic arrangement of O.F. tank water ballast 11-9-47 N.Y.

Oil fuel tank steam coil system 11-9-47 N.Y.

It is recommended for the favourable consideration of the Committee that the notation "Fitted for oil fuel 10,47 F.P. above 150°F" be now assigned to this Vessel.

(Cont'd.)



Alteration to Boiler Feed System:-

Now done:- A weirs type feed pump and secondary stage feed heater with all required piping valves and fittings installed.

Pump and heater opened up, examined, and hydrostatically tested, proven sound and tight.

Feed piping, hydrostatically tested, proven sound and tight.

Steam feed injector, and piping and fittings examined and hydrostatically tested, proven sound and tight.

Installation tried under full working conditions and found to perform satisfactorily.

Radar Equipment:- is installed on board this Vessel and the following details are submitted for the favourable consideration of the Committee, so that a notation of "RADAR" may be made in this case.

Type RXT/268.

Makers: Canadian Arsenal Company.

to be serviced by Marconi Company of Canada.

60 amp square "D" switch and automatic starter together with 3 H.P. convertor for 110V-500 cycle single phase A.C. together with cables, megger tested.

Radar seen under working conditions.

*D. A. H. H.*  
SURVEYOR TO LLOYD'S REGISTER



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Foundation