

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

B.C.

No. 7957

Date of writing Report 4th Nov. 1949. When handed in at Local Office 4th Nov. 1949. Port of Vancouver, B.C.
Survey held at Vancouver, B.C. Date, First Survey 7th Sept., Last Survey 31st Oct., 1949
Book 063 on the Machinery of the ~~Wood Iron~~ Steel Twin Screw Steamship "LADY ALEXANDRA" (No. of Visits 11)

Vessel built at Montrose By whom Coaster Const.Co. Ltd. Year. Month. When 1924 5
Engines made at Paisley By whom Bow, McLachln & Co. Ltd. When 1924 5
Boilers, when made (Main) 1924 (Donkey) -
Main Boilers 2WT Owners Union Steamships Ltd. Owners' Address -
Donkey Boilers - (if not already recorded in Appendix to Register Book.)
Pressure 200 lb. Port Vancouver, B.C. Voyage Coastwise
Main Boilers 200 lb. Managers -
Donkey Boilers - If Surveyed Afloat or in Dry Dock Both
(State name of Dock.) Pacific D.D. Floating Dock

Report No. Port
Particulars of Examination and Repairs (if any) Machinery and Boiler Survey
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)
BS 9,48		MBS 5,44
ss Vcr. 2nd No.2-		Blr.S. 2,49
5,44		msp 12,47
Annual Survey		P 10,48
12,47		S 12,47
w.T.B. fitted for oil fuel		

damage report made by anyone else? If so, by whom? -
Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes
" Donkey " " " -
as not done, state for what reasons? -
t parts of the Boilers could not be thus thoroughly examined? Watertube type
t special means, in the absence of internal examination, were adopted by the Hydraulic pressure test to 300 lbs. P.S.I.
or to assure himself of the thorough efficiency of those parts of each Boiler?
st date of internal examination of each boiler 17th September, 1949 Present condition of funnel (6) Good
urveyor examine the Safety Valves of the Main Boilers Yes To what pressure were they afterwards adjusted under steam? 200 lbs. P.S.I.
urveyor examine the Safety Valves of Donkey Boiler? - To what pressure were they afterwards adjusted under steam? -
urveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes , and of the Donkey Boilers? -
urveyor examine the drain plugs of the Main Boilers? - , and of the Donkey Boilers? -
urveyor examine all the mountings of the Main Boilers? Yes , and of the Donkey Boilers? -
shaft now been drawn and examined? NO Is it fitted with continuous liner? - Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? -
now been changed? - If so, state reasons. -
ift now fitted been previously used? - Has it a continuous liner? - Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? -
of examination of Screw Shaft - State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft. Starb. .106" Port .051"
ne parts, when referred to by numbers, should be counted from forward. Is electric light and/or power fitted? Yes
e Surveyor examine the generators, motors, switchgear, cables and fuses? -
ilation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? -
y is not complete, state what arrangements have been made for its completion and what remains to be done. Complete

ATION FOR MACHINERY AND BOILER SURVEYS.
ONE:- Vessel placed on floating dock, port and starboard propellers, aft end of stern bushes, sea cocks and valves with their shell fastenings examined and found or now placed in good condition.
Starboard main engines opened up for survey and all cylinders, pistons, valves and chambers, rods, crankshaft, thrust and intermediate shafting with bearings, examined and found or now placed in good condition.
Port main condenser opened up, tested and found in good order.
Auxiliary Machinery - examined the following -
Starboard Feed pump, port air pump, port circulating pump and engine, steering engine,
Observations, Opinion, and Recommendation:- (P.T.O.)
clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.; thus, for example, B.S. 1,48, B & M.S. 1,48, + L.M.C. 1,48, or + L.M.C. 140 lb., F.D., &c.)
e machinery and boilers of this ship, so far as now seen, are in good condition and eligible, opinion, to remain as now classed with record of M.B.S. (with date) M.S. 10,49 and Blr. S. 10,49
er Section 28 Mach. Survey \$ 60.00
or Repair Fee (if any) B.S. \$ 81.00
er Section 28.) \$ 4.00
enses (if chargeable) \$ 4.00
Fees applied for 4-Nov., 1949
Received by me, 19
s Minute WED 11 JAN 1950
Mrs. 10.49
Blr. S. 10.49

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

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Auxiliary Machinery - Continued

bilge and ballast pumps and pumping arrangements and found or now placed in good condition.

BOILER SURVEY (2 watertube):-

Both boilers examined internally and externally with doors, mountings and safety valves and found or now placed in good condition. Safety valves adjusted under steam as stated above.

Oil fuel burning and fire extinguishing installations examined and found in good order.

Note:- Reference Glasgow letter dated July 9, 1949 and Mr. William N. Kelly's letter dated September 6, 1949.

It is understood that the portmain engine, condenser, pumps and auxiliaries have been examined by Mr. W.N. Kelly during 1948-49 and it is concluded that the vessel is entitled to the record of M.B.S. (with date) and can now be assigned M.S. 10,49 and Blr. S. 10,49.

REPAIRS WEAR AND TEAR:-

Port and Starboard Propellers - solid bronze type. Tips moderately bent and propellers removed for repairs and Owners previously used spare solid bronze 4 blade propellers fitted in good order. Port propeller marked B.C.T. 15785 L.T.M. 17-2-49.

Starboard Propeller no marks discernible.

Starboard Screwshaft - tested in place for truth and found good.

Starboard Feed Pump - Shuttle valve removed for repairs and spare shuttle valve fitted.

Port Air Pump - piston and bucket rods renewed.

Steering Engine - Control valve and liner renewed.

Oil Fuel Pump - controls repaired and replaced in good order.

Main Boilers - minor renewalsto worn out valves.

Other repairs of a minor nature carried out.

Interim Certificate issued - Copy attached.

J. Stewart



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