

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

No. 1343

(Received at London Office 11 JUN 1949)

Date of writing Report May 17th, 1949 When handed in at Local Office 19 Port of TORONTO, CANADA
 No. in Survey held at Sarnia, Ont. Date, First Survey Jan. 19th Last Survey Apr. 22nd, 1949
 Book No. 2767 on the Machinery of the Wood, Iron or Steel S.S. "NORONIC" (No. of Visits 3)

Vessel built at Port Arthur, Ont. By whom Western Dry Dock and Shipbuilding Co. Ltd. Year. Month. When 1913 11
 Engines made at Cleveland, Ohio By whom American S.B. Co. When 1913
 Boilers, when made (Main) 1913 (AUX. Donkey) 1913
 Owners Canada Steamship Lines Ltd. Owners' Address As Recorded
 Managers - (if not already recorded in Appendix to Register Book.)
 If Surveyed Afloat or in Dry Dock Afloat Port Port Arthur, Ont. Voyage Great Lakes
 (State name of Dock.)

Last Report No. 1325 Port TORONTO, CANADA

Particulars of Examination and Repairs (if any) Boiler Survey

Periodical Surveys, when held, must be reported in detail and serialim in the terms of the Rules. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case.

CHARACTER * for Special Survey Date of last Survey and of Periodical Surveys.	Years assigned to expire	Machinery and Boiler Surveys (including date of N.B., if any)
X100A-10-48 7, 49		XLMC 1, 44
SS. Tto. No. 1 45		BS 4, 48
s.s. It. No. 4 5:38		TS 9, 48 10, 45
For Service on the Great Lakes		

Was a damage report made by anyone else? If so, by whom? -
 Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes
 " " Aux. Donkey " " " " Yes
 If this was not done, state for what reasons? -

And what parts of the Boilers could not be thus thoroughly examined? All parts examined
 Also what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler? -
 State latest date of internal examination of each boiler January 19th, 1949 Present condition of funnel Good

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 200 lbs.
 Did the Surveyor examine the Safety Valves of Aux. Donkey Boiler? - To what pressure were they afterwards adjusted under steam? 200 lbs.
 Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes, and of the Aux. Donkey Boilers? Yes
 Did the Surveyor examine the drain plugs of the Main Boilers? Yes, and of the Aux. Donkey Boilers? Yes
 Did the Surveyor examine all the mountings of the Main Boilers? Yes, and of the Aux. Donkey Boilers? Yes
 Has screw 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? -
 Has shaft now been changed? - If so, state reasons -
 Has the shaft 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? -
 State date 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 -

Engine parts, when referred to by numbers, should be counted from forward. Is electric light and/or power fitted? Elect. Light
 If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? No
 Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? No

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done Boiler Survey completed.
The four main boilers and auxiliary boiler with their mountings were examined internally and externally, and found or made in good condition.
The boilers were afterwards seen under steam and their safety valves adjusted to 200 lbs.

Repairs Now Done
Forward Starboard Boiler - Outboard C.C. - fifty screw staybolts renewed in back head.
Center C.C. - fifty-two screw staybolts renewed in back head. Two fire cracks in furnace flange veed out and electric welded. Inboard C.C. - thirty-six screw staybolts renewed in back head. Approximately ninety plain tubes, and ten stay tubes renewed.
Forward Port Boiler - Outboard C.C. - thirty-six screw staybolts renewed in back head. Three fire cracks in furnace flange veed out and electric welded.

General Observations, Opinion, and Recommendation: The boilers and machinery of this vessel are
 (State 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. 9.11, B.&M.S. 9.11, *L.M.C. 9.11, or *LMC 140 lb., P.D., &c.)
CS 3,34,
in good and efficient condition, eligible, in my opinion, to remain as classed with the notation
BS4,49.

Survey Fee (per Section 29) B.S. \$ 144.00 Fees applied for May 16 19 49
 Special Damage or Repair Fee (if any) \$: Received by me, 19
 (per Section 29.)
 Travelling expenses (if chargeable) \$ 36.50
 Committee's Minute TUES. 5 JUL 1949
 Assigned BS 4,49

A.S.J. Hall
 Acting Surveyor
John Stephen
 Engineer Surveyor to Lloyd's Register of Shipping.
 Lloyd's Register Foundation



Insert Character of Ship and Machinery precisely as in the Register Book

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

W1027-0091

clear.

1343

W.D. du 449 Head

THE RECORD
It is submitted that
this vessel is eligible for
THE RECORD.

W.D. 449

TRM
30.6.49

Repairs Now Done (Cont'd)

Forward Port Boiler - Center C.C. - thirty-six screw staybolts renewed in back head.
Two fire cracks in furnace flange veed out and electric welded. Inboard C.C. - thirty-six screw staybolts renewed in back head. Two fire cracks in furnace flange veed out and electric welded.

After ~~Starboard~~ ^{Port} Starboard Boiler - Outboard C.C. - thirty-six screw staybolts renewed in back head. Center C.C. - thirty-seven screw staybolts renewed in back head. Smoke box bottom and side plating renewed. Inboard C.C. - thirty-seven screw staybolts renewed in back head, and one in wrapper sheet.

Auxiliary Boiler - Five stay tubes renewed. Smoke box bottom plating renewed. Starboard C.C.

After Starboard Boiler - Outboard C.C. - thirty-six screw staybolts renewed in back head. Center C.C. - fifty-one screw staybolts renewed in back head. Thirty-five plain tubes renewed. Inboard C.C. - thirty-six screw staybolts renewed in back head.

REPAIRS

