

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

(Received at London Office SAT. 17 SEP 1898)

Date of writing Report 16 Sept 98 When handed in at Local Office 16 Sept 98 Port of London.
No. in Reg. Book 779 Survey held at London Date, First Survey 7 Sept Last Survey 13 Sept 1898.
on the Machinery of the Wood, Iron or Steel S.T. Minnesota Master Lucas.
Tonnage Gross 3216 Net 2080 Vessel built at Belfast By whom Harland & Wolff When 1887. 11
Registered Horse Power 291 Engines made at London When 87 Boilers, when made (Main) 87 (Donkey) 87
No. of Main Boilers 2 Owners Atlantic Trans Co. Ltd Port London Voyage Boston & S.A.
No. of Donkey Boilers 1 If Surveyed Afloat or in Dry Dock Milwall Dry Dock Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).
Steam Pressure in Main Boilers 160 lb. in Donkey Boilers 60 lb.

Last Survey No. Port L.M.C. + 100 A1. 2.98 + L.M.C. 10.93.
Particulars of Examination and Repairs (if any) SS Lou. 103.5.94. B.S. 7.97.

Periodical Surveys, when held, must be reported in detail and serially 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.

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? No.
Do. " Donkey " " No.
If this was not done, state for what reasons? Donkey Boilers at work.
And what parts of the Boilers could not be thus thoroughly examined? Donkey Boilers
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? To be examined next voyage.
Did the Surveyor examine the Safety Valves of the Main Boiler? Already Exam'd To what pressure were they afterwards adjusted under steam? Not adjusted.
Did the Surveyor examine the Safety Valves of Donkey Boiler? No To what pressure were they afterwards adjusted under steam? No.
Has the propeller shaft been drawn and examined at this time? yes. If spare propeller shaft fitted, state whether new? 3/16".
State the distance between lignum vitae of stern bush and top of after bearing of screw shaft? On vessel's next arrival

If the Survey is not complete state what arrangements have been made for its completion and what remains to be done? in London in six weeks time
L.P. Slide Valve and the Donkey Boilers to be examined and all Safety Valves adjusted under steam. Owners advised.
Now done: - Intermediate cylinder and Piston H.P. & M.P. Slide Valves, and all Gumps examined and now found in good order.
Tail shaft drawn in and examined. This shaft found to be generally in good order but the same in way of fore end of the after liner is slightly grooved and pitted by corrosion.
Propeller - Stern-bush and sea connections now examined and found in satisfactory condition.

It is respectfully recommended that owing to its condition the Tail Shaft be again examined in 12 Mths. Copy of advice to owner attached.

General Observations, Opinion, and Recommendation:—

(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. 9.97, B.&M.S. 9.97 or L.M.C. 9.97, 140 lb., F.D., &c.)

The machinery of this vessel so far as has been seen is in good order and in our opinion eligible to remain as classed with fresh record of + L.M.C. 7.98 when this survey is completed.

Office or Registration Fee (per Sec. 27) £ 17/9 98
Survey Fee per Section 28 £ 5 10
Special Damage Fee (per Section 28) £ 10
Travelling Expenses (if chargeable) £ 4 10
State if Certificate is required
Committee's Minute Assigned Deferried
Fees applied for 17/9 98
Received by me 17/10/98
Engineer Surveyor to Lloyd's Register & British and Foreign Shipping.
TUES. 4 JUL 1899
TUES. 13 DEC 1898
FRI. 27 JAN 1899
TUES. 20 SEP 1893
FRI. 24 MAR 1899
TUES. 9 MAY 1899

I. I. No. 5,48 to be completed in
about 6 weeks.

N.B.—If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or cause it to show through to the other side.

It is submitted that
this vessel is eligible to
remain as CLASSED. Subject to the
screw shaft being again examined
before the end of Sept-99. and
will be eligible for the
recap + L.M.B.S. & A. when
the L.P. slide valve, the
H. B. slide valves
have been out &
all safety valves
adjusted
HJ
17/2/98

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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