

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

(Revised at London Office) MON 11 JAN 1897

Date of writing Report *8th January 1897* When handed in at Local Office *Antwerp* is *Port of Antwerp*
 No. in Reg. Book *98* Survey held at *Antwerp* Date, First Survey *5th January* Last Survey *2nd January 1897*
on the Machinery of the Wood, Iron or Steel Steamer Nederland Master *Apfeld*
 Gross Tonnage *2876* Vessel built at *Newcastle* By whom *Palmer's Co* When *1873* 6
 Registered Horse Power *352* Engines made at *Antwerp* When *1873* Boilers, when made (Main) *1873*, (Donkey) *1873*
 No. of Main Boilers *two* Owners *Soc. Anon. Belg. Americaine* Port *Antwerp* Voyage *Philadelphia*
 No. of Donkey Boilers *one* *Surveyed Afloat or in Dry Dock* *River Quay Side* Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).
 Steam Pressure in Main Boilers *75 lbs* in Donkey Boilers *60 lbs*

Last Survey No. *3231* Port *Ant*
 Particulars of Examination and Repairs (if any) *Part of Special Survey No 3*

(Periodical surveys, when held, must be reported in detail and according to 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 summarized at the end of the report. State also the date 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? *yes*
 Do. " Donkey " " *no*
 If this was not done, state for what reasons? *the donkey boiler was under steam.*
 And what parts of the Boilers could not be thus thoroughly 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? *-*
 Did the Surveyor examine the Safety Valves of the Main Boiler? *yes partly*
 At 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? *not adjusted*
 Has the propeller shaft been drawn and examined at this time? *no*

If the Survey is not complete state what arrangements have been made for its completion? *the tail shaft, sea connections, all the Machinery, donkey boiler and all safety valves to be examined and the latter adjusted under steam which is deferred until the ship's return.*

Main boilers prepared for survey, on examination found several tubes leaking at back ends, one patch on Centre furnace saddle plate cracked for a length of 3" (Port boiler) four fore and aft stay in steam space corroded at after end also a soft patch on the stiffening angle iron across end plate decayed. - In Starb^d boiler found two rivets slack in patch on Centre furnace saddle plate also slight crack in after end steam of port wing furnace crown. Now done: Fitted chain studs in crack in Centre furnace saddle plate of the port boiler also two rivets in Starb^d boiler Centre furnace and one rivet in end of crack of Starboard wing furnace back steam of same boiler. fifty tubes were cut out and replaced by new. the covering and soft patch on end of Corroded stay and strongback will be made good on completion of survey as above.

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, R.S. 0.02, R.A.N.S. 0.03 or S.L.N.C. 0.02, 140 lb., F.D., &c.)
This vessel's Machinery as far as seen, is now in efficient working condition in my opinion eligible to remain as classed subject to the required survey be completed.

Office or Registration Fee (per Sec. 27)	£ 0 . 10 . 0	Fees applied for
Survey Fee (per Section 28)	£ 2 . 2 . 0	
Special Damage Fee (per Section 28)	£ - - - -	
Travelling Expenses (if chargeable)	£ - - - -	
Received by me, <i>8th / 11 / 1897</i>		

*State if Certificate is required *not*
 Committee's Minute *TUES 12 JAN 1897*
 Assigned *Deferred for completion of no. 3*
 Lloyd's Register of British and Foreign Shipping.
 TUES 9 AUG 1896
 TUES 28 JUN 1896
 TUES 10 MAY 1896
 TUES 20 APR 1897
 TUES MAR 2 1897
 TUES 20 JUL 1897
 TUES 22 FEB 1897
 FRI 26 NOV 1897
 TUES 19 APR 1898
 FRI 30 SEP 1897
 FRI 1 NOV 1898

No report on the ship? Has a survey also been held on ship? If so, is the Report kept now or when will it be sent?

Insert Character of ship and Machinery precisely as in the Register Book.