

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

(Received at London Office)

MAY 17 APR 1899

Date of writing Report 15 April 1899 When handed in at Local Office 15 April 1899 Port of London

No. in Reg. Book 1280 Survey held at London Date, First Survey 3 Feb 1899 Last Survey 13 April 1899

1280 on the Machinery of the Wood, Iron or Steel S. J. Azalea Master J. Bennett

Tonnage Gross 493 Net 271 Vessel built at Sunderland By whom M. J. B. Co. When 1886

Registered Horse Power 80 Engines made at " When 86 Boilers, when made (Main) 86 (Donkey) 86

No. of Main Boilers 1 Owners Sawers, Sons & Oakley Port London Voyage Baltic Port

No. of Donkey Boilers 1 If Surveyed Afloat or in Dry Dock Afloat - S. J. Azalea Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Steam Pressure 80 lbs in Main Boilers 45 in Donkey Boilers

Last Survey No. Port

Particulars of Examination and Repairs (if any) B. S.

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? yes.

Do. " Donkey " " " yes.

If this was not done, state for what reasons?

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. To what pressure were they afterwards adjusted under steam? 80 lbs

Did the Surveyor examine the Safety Valves of Donkey Boiler? yes. To what pressure were they afterwards adjusted under steam? 40 lbs

Has the propeller shaft been drawn and examined at this time? No If spare propeller shaft fitted, state whether new?

State the distance between lignum vitae of stern bush and top of after bearing of screw shaft?

If the Survey is not complete state what arrangements have been made for its completion and what remains to be done? Complete except to see

Exhaust Pipe fitted to Safety Valves of Donkey Boiler This to be done in three weeks time and the Safety Valves of this Boiler re-adjusted

Now done - Main Boiler examined throughout and found to be leaky and defective in way of shell bottom at seams and also at back plating of corner chambers in way of stay, also found slight bulging between above stay.

Now done - Boiler turned over and bottom shell seams repaired as under - Fore seam efficiently repaired by a Rivet patch coming part over the Front End Plate Mid seam also

efficiently repaired and back seam fitted with a doubling plate over the shell and the end connection. After Repair this Boiler satisfactorily tested by W. P. to 80 lbs per square inch

and its Safety Valves adjusted under steam to above reduced W. P.

all leaky stays in corner chamber and in way of the bulging now renewed and made good.

Donkey Boiler examined This Boiler is now found

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.&H.S. 9, 97 or S.L.M.C. 9, 97, 140 lb, F.D., &c.)

The Machinery of this vessel so far as now seen is in good order and in my opinion eligible to remain as now

Classed with fresh record of B-S-4 '99. When this survey is completed.

Office or Registration Fee (per Sec 27) £

Survey Fee (per Section 28) £ 1. 10

Special Damage Fee (per Section 28) £ 1. 7

Travelling Expenses (if chargeable) £

Fees applied for 22/4 18 99

Received by me, 24/5 18 99

State if Certificate is required

Committee's Minute

Assigned

TUES. 25 APR 1899

TUES. 5 SEP 1899

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P.S. due 3.99 to be completed in 3 weeks time.

Main + Donkey Boilers examined
Moderate repairs now done to Main B.

It is submitted that this
vessel WILL BE eligible for
the record. B.S. 4.99. when
the donkey boiler safety valves
have been adjusted under
steam to 45 lbs and the
waste steam pipe from the
M.B. pressure to be noted
80 lbs working pressure
D.B. 45 " "

A.C.H.
22.4.99.

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.

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found to be slightly weakened by wear and tear
but is still in fair order. After examination
it was tested by water pressure to Main Boilers
pressure per sq. inch and found satisfactory.
It is respectfully recommended that the
pressure upon this boiler should not exceed Forty-
Five pounds per sq. inch when a proper exhaust pipe
is fitted and the safety valves of this Donkey Boiler
has had its safety valves adjusted under steam
by one of the Society's Engineer Surveyors to a pressure
not exceeding Forty Five (45) lbs per square inch.
J. P. Ritchie.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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