

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

(Received at London Office)

5 MAY 1943

NEWCASTLE-ON-TYNE

of writing Report 10 When handed in at Local Office 15/4/43 Port of NEWCASTLE-ON-TYNE
 in Survey held at NORTH SHIELDS. Date, First Survey 8 March Last Survey 7 April 1943
43. on the Machinery of the Wood, Iron or Steel TUG S/S "ABEILLE N° 20" (No. of Visits 13)
 (+ Spec. " 2) Year. Month. 1943

Gross 179. Vessel built at S. SHIELDS. By whom J.P. RENKOLDSON & SONS. LTD. When 1924. 11.
 Net 2. Engines made at S. SHIELDS. By whom J.P. RENKOLDSON & SONS. LTD. When 1924.
 Indial Power 83. Boilers, when made (Main) 1924. (Donkey)
 Main Boilers 1 SB. Owners MINISTRY OF WAR TRANSPORT. Owners' Address
 (if not already recorded in Appendix to Register Book.)
 Donkey Boilers 1 Managers OVERSEAS TOWAGE & SALVAGE CO. LD. Port SOUTHAMPTON. Voyage
 Pressure—180 LBS. X Surveyed Afloat on Dry Dock Shields Eng Co. Ltd.
 Main Boilers 180 LBS. (State name of Dock.) Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Report No. BS. 4.43 Port NEWCASTLE-ON-TYNE
 Particulars of Examination and Repairs (if any) BS. & GEN. EXAM.

Special Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the nature and extent 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 as being detailed in the body of the report, should be briefly summarised at the end of the report. State also the date and initials of any letters respecting this case.

Where cases where the Surveyor has not made a special damage report he is required to state whether he has offered his services for this purpose, and why they were declined.

Has a damage report made by anyone else? If so, by whom?
 Has the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? YES.

Has the Surveyor personally go inside each Donkey Boiler separately and make a thorough examination at this time? NO.
 If not done, state for what reasons?

What parts of the Boilers could not be thus thoroughly examined?
 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?

Latest date of internal examination of each boiler 5.4.43. Present condition of funnel(s) Good

Has the Surveyor examine the Safety Valves of the Main Boiler? YES. To what pressure were they afterwards adjusted under steam? 180 LBS.

Has the Surveyor examine the Safety Valves of Donkey Boiler? NO. To what pressure were they afterwards adjusted under steam?

Has the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? YES. and of the Donkey Boilers?
 Has the Surveyor examine the drain plugs of the Main Boilers? YES. and of the Donkey Boilers?
 Has the Surveyor examine all the mountings of the Main Boilers? YES. and of the Donkey Boilers?

Has the screw shaft now been drawn and examined? NO. Is it fitted with continuous liner? NO. Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

Has the shaft now been changed? NO. If so, state reasons.
 Has the shaft now fitted been previously used? NO. Has it a continuous liner? NO. Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

Date of examination of Screw Shaft 5.4.43. State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft 1/8".
 Engine parts, when referred to by numbers, should be counted from forward.
 Has electric light and/or power fitted? SEE. Elec Rpt. F.E. attached

Did the Surveyor examine the generators, motors, switchgear, cables and fuses?
 Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms?
 If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done Complete.

The vessel was placed in dry dock on Saturday 7th March 1943 PM, undocked Sun 8.3.43 AM, and it is stated that the connections were opened up, adjusted & replaced. This action was taken by the dock officials in order to prepare a dock vessel under steam with salvage pumps, and in consequence intimation of docking was overlooked.

GENERAL EXAMINATION:- Main engines & auxiliaries generally examined and found or placed in good condition.
 The following parts were opened up, examined & found or placed in good condition:- All cylinders, pistons, valves & chests, & crankpins, N° 1 & 6 crankshaft journals, air feed pumps & valves, thrust shaft, aux feed pump, bilge & ballast pumps & steering engine.
 Crankshaft wear down satisfactory also reversing gear. Machinery tried under working conditions with satisfactory results.

Boiler examined internally & externally with its mountings, doors, fastenings & found or placed in good condition, all plain tubes removed, tube plates specially examined, and found in good condition. Boiler examined under water pressure 130 lbs/sq. found tight & sound; afterwards examined under steam and its safety valves adjusted WP as stated above. P.T.O.

GENERAL Observations, Opinion, and Recommendation: The machinery of this vessel so far as seen
 (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 X.L.M.C. 149 lb., F.D., &c.)
US 3,34.

is eligible in my opinion to remain as classed in the Register Book with fresh record of survey BS 4.43 and EXAMINED 4.43.

Survey Fee (per Section 29) BS £ 2 : 0 : 0. Fees applied for
 Estimated fee £ 11.0 £ 3 MAY 1943
 Special Damage or Repair Fee (if any) £ 0
 Survey Fee (per Section 29) £ 0
 Printing expenses (if chargeable) £ 0
 RECEIVED BY ME, A. Adams
 19 25 TUES. 25 MAY 1943
 REPAIR LICENCE N° 5660.
 Committee's Minute
 Signed As above
M.S. H. 43

CHARACTER.	Years assigned for special survey	Machinery and Boiler Surveys (including date of N.B., if any)
<input checked="" type="checkbox"/> 100A1.	9.41	<input checked="" type="checkbox"/> LMC 8.37.
FOR TOWING PURPOSES.		BS. 9.41.
S.S. HAV N° 3 - 8.37.		TS. 9.41.

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

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

A. Adams
 Engineer Surveyor to Lloyd's Register of Shipping.



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