

PORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

(Received at London Office - 8 APR 1946)

Writing Report 4-4-1946 When handed in at Local Office

Port of Aberdeen

Survey held at Buckie & Aberdeen Date. First Survey 28-3-45 Last Survey 29-3-1946

(No. of Visits 25)

on the Machinery of the ~~Wood, Iron~~ Steel STEAM TRAWLER "AVOLA"

Gross 255 Vessel built at Middlesbrough By whom Smith's Dock Co. Ltd. Year. Month. When 1913 6
 Net 99 Engines made at do. By whom do. When 1913
 85 Boilers, when made (Main) ✓ (Donkey) ✓
 Boilers 1 Owners LORD LINE LTD. Owners' Address ✓
 (if not already recorded in Appendix to Register Book.)
 Managers W. A. Bennett Port Milford Voyage ✓
 If Surveyed Afloat or in Dry Dock at Buckie & Aberdeen Particulars of Classification (which must be inserted
 (State name of Dock) 4 on Taro Slip Aberdeen. precisely as in Register Book & Supplements).

Report No. Port

Particulars of Examination and Repairs (if any) Docking, T.S., M.S., B.S., E.L.

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

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

Damage report made by anyone else? If so, by whom?

Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes.

" Donkey " " "

Not done, state for what reasons

Parts of the Boilers could not be thus thoroughly examined?

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?

Date of internal examination of each boiler

25-2-46

Present condition of funnel Efficient

Surveyor examine the Safety Valves of the Main Boiler?

Yes

To what pressure were they afterwards adjusted under steam? 180 lb./sq. in.

Surveyor examine the Safety Valves of Donkey Boiler?

✓

To what pressure were they afterwards adjusted under steam?

Surveyor examine all the manholes, doors and their fastenings of the Main Boilers?

Yes

, and of the Donkey Boilers?

Surveyor examine the drain plugs of the Main Boilers?

✓

, and of the Donkey Boilers?

Surveyor examine all the mountings of the Main Boilers?

Yes

, and of the Donkey Boilers?

Screw shaft now been drawn and examined?

Yes

Is it fitted with continuous liner?

Yes

Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

✓

Shaft has been changed?

Yes

If so, state reasons.

Corroded at end of liner to less than Rule size.

Shaft has now fitted been previously used?

No

Has it a continuous liner?

Yes

Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

✓

Examination of Screw Shaft

2-3-46

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

rewooded

Parts, when referred to by numbers, should be counted from forward.

Is electric light fitted

Yes

Surveyor examine the generators, motors, switchgear, cables and fuses?

Yes

Insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms?

Yes

If not complete, state what arrangements have been made for its completion and what remains to be done

Complete

Notes for Docking & T.S. Vessel placed on slip & all sea valves, cocks & outside fastenings examined & found good; the screw shaft drawn in examined & found corroded at after end of liner to less than Rule size. A new screw shaft fitted with continuous liner now supplied, examined, found good & fitted in bush rewooded, propeller examined & found satisfactory. The new screw shaft is stamped WAL. 23.11.45

Notes for B.S. The boiler opened out examined internally & externally together with all its fittings, manholes, doors & principal mountings & all parts found or now placed in good order. Safety valves adjusted to the pressure stated above, under steam.

Notes for M.S. Main Engines. All cylinders & valve chests, pistons & valves, all main & B/E bearings & shaft bearings, the crankshaft with its journals & pins & the thrust shaft, all attached pumps & other machinery examined & found satisfactory.

1 Observations, Opinion, and Recommendation:— The machinery of this vessel as now seen is in good order, and no 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 no 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 M.C. 140 lb., F.D., &c.)

Condition & in our opinion, eligible to remain as classed with best record of T.S. 3, 46.

per Section 29) +LMC £ 7 : 0 : 0 Fees applied for 4-4-1946 OK.
E.L. 1 0 0
 per Section 29. Repair Fee (if any) £ 3 : 3 : 0
 Expenses (if chargeable) £ 6 : 0 : 0 Received by me, 19

Committee's Minute

FRI. 17 MAY 1946

ed +Lmc 3, 46

SN 3, 46 U.

CERTIFICATE WRITTEN



Lloyd's Register Foundation

008900-008908-0092

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

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

in their entirety, opened out & examined. The condenser water tested, main steam pipes hydraulically tested & all pumping arrangements tested & all parts found or now placed in good order. All M.E. castings & holding down bolts tested & found satisfactory.

Auxiliaries. Centrifugal circulating pump, donkey feed pump & evaporator examined in their entirety. Now done for F.1. Dynamo engine examined & all circuits Megger tested, all switch gear & fuses examined & all parts found or now made satisfactory.

Now done for boiler Reassembled to West side. Port C.C. Backplate & wrapper plate on stbd side renewed from 2nd row of stays from top, old plates, where cropped, examined & found good. New plates secured by F.W. & riveting & all C.C. stays in way renewed.

Starboard C.C. Backplate & wrapper plate from 3rd row of stays from top now renewed, old plates, where cropped, examined & found satisfactory. New plates secured by F.W. & riveting & all C.C. stays in way renewed. All plain tubes renewed & tube plates examined in way & found good.

On completion of repairs the boiler was hydraulically tested & found sound & tight.

Now done for Main Engines. Attached air pump bucket rod & bilge pump ram made up & neck & gland tested & returned to work. Thrust shaft found to be severely scored & now renewed. This shaft stamped "LLOYD'S NO 109. 23-11-45 W.P.H."

Forging certificate for Thrust Shaft No 109 & Screwshaft No 110 furnished herewith

Auxiliaries circulating pump piston, piston rings & piston renewed. Donkey feed pump water end rings renewed. Dynamo engine piston valves etc. renewed.

A.R.