Rept. 9.

No. 104200

# REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

(Received at London Office 11 JAN 1947)

Date of writing Report 5/1/47 19 When handed in at Local Office 6/1/47 19 Port of NEWCASTLE-ON-TYNE

No. in Book. Survey held at Tyne Dock Date. First Survey 19. 9. 46 Last Survey 3. 1. 3. 1947 (No. of Visits 3.)

1447 on the Machinery of the ~~Wood, Iron or~~ Steel S. T. "Soranus."

Tonnage { Gross 250 / Net 103

Nominal Horse Power

No. of Main Boilers 1

No. of Donkey Boilers ✓

Steam Pressure— Main Boilers 180 lbs

Donkey Boilers ✓

Vessel built at Selby By whom Cochrane & Sons When 1906 4 (Year. Month.)

Engines made at Grimsby By whom Gt. Central Co. & Eng & Ship Repairing Co. Ld. When 1906

Boilers, when made (Main) ✓ 1906 (Donkey) ✓

Owners Northern Trawlers Ld. Owners' Address ✓ (if not already recorded in Appendix to Register Book.)

Managers W. a. Bennett. Port Grimsby Voyage ✓

If Surveyed Afloat or in Dry Dock Afloat. (State name of Dock.)

Last Report No. Port

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

| CHARACTER. ✠ for Special Survey Date of last Survey and of Periodical Surveys. | Years assigned now expired. | Machinery and Boiler Surveys (including date of N.B., if any). |
|---|---|---|
| + ... | | + |
| 6.10 | | |
| Stm Trawler | | |
| Reclassification | | Contemplated. |

Particulars of Examination and Repairs (if any) Re-class.

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

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

Was a damage report made by anyone else? If so, by whom? ✓

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

" " Donkey " " " ✓

If this was not done, state for what reasons ✓ Please see London Rpt. 113885 dated 8.46.

In what parts of the Boilers could not be thus thoroughly examined? ✓

In 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? ✓

The latest date of internal examination of each boiler 3. 1. 47 Present condition of funnel(s) To Renew.

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? Not adjusted.

Did the Surveyor examine the Safety Valves of Donkey Boiler? ✓ To what pressure were they afterwards adjusted under steam? ✓

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes, and of the Donkey Boilers? ✓

Did the Surveyor examine the drain plugs of the Main Boilers? ✓, and of the Donkey Boilers? ✓

Did 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? ✓ Is it fitted with continuous liner? ✓ Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

Has shaft now been changed? ✓ If so, state reasons ✓

Is the shaft now fitted been previously used? ✓ Has it a continuous liner? ✓ Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

The date of examination of Screw Shaft ✓ State the distance between lignum vitæ or bearing metal of stern bush and top of after bearing of screw shaft ✓

Engine parts, when referred to by numbers, should be counted from forward. Is electric light and/or power fitted Yes

If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? ✓

Is 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 The remainder of the Rule Requirements. The vessel has now been laid up, pending a financial settlement with owners. Now done:- Examined cylinders, pistons, valves, chests; condenser internally; main boiler internally.

Repairs recommended:- Condenser tube clean, test & renew as necessary; H.P. & after doors renew; main boiler, Comb.n chamber top plate f.p. & after edges to build up in way of girder bearings, several wasted rivets renew; girder stays renew as required.

It is stated by the Owners Supt. that it is intended to renew the screw shaft.

SURVEY OF ELECTRICAL INSTALLATION. Generator 1-7½ KWS. The electrical installation has been completely stripped out. To complete the electrical survey all wiring to be installed, tested and found satisfactory

General Observations, Opinion, and Recommendation:— The machinery of this vessel, as far as now seen, is eligible in my opinion to be classed with mark of L.M.C. with date when the survey is completed & of T.S. 1.46 L.L., as previously recommended.

(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 ✠LMC 140 lb., F.D., &c.) CS 8,34,

Survey Fee (per Section 29) £ 7 : 0 : 0 Fees applied for 10 JAN 1947 19

Special Damage or Repair Fee (if any) £ : : (per Section 29)

NO LICENCE SUPERVISION.

Travelling expenses (if chargeable) £ : : Received by me, 19

Committee's Minute ✓ WED. 29 JAN 1947

Assigned Deferred

Engineer Surveyor to Lloyd's Register of Shipping.

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

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



W1654-0092

Reclassification survey, part held 1.46
now advanced

The vessel has been laid up

It is submitted
action be deferred.

J.S.
27.1.47.