Rpt. 9.

No. 199b,

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

(Received at London Office 27 JAN 1947)

Port of GRONINGEN.

Date of writing Report 19-1- 19 47 • When handed in at Local Office ..... 19 .....

No. in Reg. Book. 54585 Survey held at Appingedam & Delfzijl Date. First Survey 19-7-46 Last Survey 15-1-47 (No. of Visits 13)

on the Machinery of the ~~Wood, Iron or~~ Steel Motorvessel "ARBO"

Year. Month.

Tonnage { Gross 200 / Net 126 } Vessel built at Waterhuizen By whom N.V. Gebr. v.Diepen's Scheepsw When 1933

Nominal Horse Power 35.4 Engines made at Appingedam By whom N.V. App. Bronsm.fabr. When 1933

No. of Main Boilers - Boilers, when made (Main) - (Donkey) -

No. of Donkey Boilers - Owners Mr. J. de Boer Owners' Address Delfzijl

Steam Pressure— (if not already recorded in Appendix to Register Book.)

in Main Boilers - Managers ..... Port ..... Voyage .....

in Donkey Boilers - If Surveyed Afloat or in Dry Dock afloat & on slipway

(State name of Dock.)

Last Report No. ..... Port .....

**Particulars of Examination and Repairs (if any)** Damagerepairs & Spec.Survey

*(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 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.....*

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 not required

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

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? no

" " Donkey " " " -

If not, state for what reasons no boilers 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? -

State latest date of internal examination of each boiler - Present condition of funnel(s) good

Did the Surveyor examine the Safety Valves of the Main Boilers? - To what pressure were they afterwards adjusted under steam? -

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

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

Has the screw shaft now been drawn and examined? yes Has it a continuous liner? no Is an approved oil retaining appliance fitted at the after end? no.

Has shaft now been changed? no If so, state reasons - Has the shaft now fitted been previously used? - Has it a continuous liner? -

Is an approved oil retaining appliance fitted at the after end? - State date of examination of Screw Shaft 25-10-46 State the wear down in the stern bush nihil Is electric light ~~and/or power~~ fitted? yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? yes

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

*Engine parts, when referred to by numbers, should be counted from forward.*

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

Vessel placed on slipway. Propeller, seaconnections and their fastenings examined, Screwshaft drawn and examined. Examined main engine cylinders, covers, pistons, valves, valvegear, pistonrods with their top and bottom ends, crank- thrust- and intermediate shafts, clutch and reversing gear. Examined all working parts of auxiliary engine and auxiliary compressors. All starting airvessels examined internally and tested by hydraulic pressure twice the working pressure. Separate fuel-tanks, pumps, pumping-arrangement examined.
Electrical equipment examined and tested as required by the Rules.
The manoeuvring of the engines tried under working condition. All above parts found or placed in good condition.
Repairs due to damage: cause could not be stated as the vessel was seized by the Germans and the vessel being handed over to the Owner the crankshaft was bent at flywheelend and castiron frame broken. Crankshaft and frame of engine renewed.

**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) |
|---|---|---|
| 100A1 "Coasting Service". | | L.M.C. 1-47. |
| Class contemplated. | | contemplated. |
| S.S.Gron.1-47(Dr) | | T.S.1-47. |

*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, BS 9,11, B&MS 9,11 ✠LMC 9,11 or ✠LMC 140 lb., FD, &c.) CS 3,34,*

The machinery of this vessel is in good condition and eligible in my opinion to be classed with the fresh record LMC 1.47 and TS.1.47. in the Register Book.

Survey Fee (per Section 29) ..... £ : :

Special Damage ~~&~~ Repair Fee (if any) (per Section 29.) Fl. 240.--

Travelling expenses (if chargeable) Fl. : 58.--

Fees applied for 21-1- 1947

Received by me, ..... 19....

FRI. 21 FEB 1947

Committee's Minute .....

Assigned See minute on F.E. machy. opt.

L.H. Wehrmeijer.

Engineer Surveyor to Lloyd's Register of Shipping.
L.H. Wehrmeijer.

Is a Certificate required? If so, to be sent to the Gron. Surveyors.

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

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