

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

(Received at London Office DEC 1945)

Date of writing Report 3rd Nov., 1945 When handed in at Local Office 3rd Nov., 1945 Port of Galveston, Texas
No. in Survey held at Galveston, Texas Date, First Survey August 2nd Last Survey 22nd Sept., 1945
Reg. Book 21649 on the Machinery of the Wood, Iron or Steel "CITIES SERVICE FUEL" (No. of Visits 9)

Tonnage { Gross 5343 Vessel built at Quincy, Mass. By whom Fore River S. B. Cor. When 1916 7
Net 3296 Engines made at Schenectady, N. Y. By whom General Electric Co. When 1916
Nominal Horse Power 517 Boilers, when made (Main) 1916 (Donkey) -
No. of Main Boilers 3 Owners United States War Shipping Administration Owners' Address Port New York Voyage -
No. of Donkey Boilers - Managers -
Steam Pressure in Main Boilers 190 lb. If Surveyed Afloat or in Dry Dock Afloat Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).
in Donkey Boilers - (State name of Dock.)

Last Report No. - Port Turbine (SRL) & Machy. Rprs.

Particulars of Examination and Repairs (if any) Turbine (SRL) & Machy. Rprs.
(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.)

| CHARACTER * for Special Survey Date of last Survey and of Periodical Surveys. | Years assigned expired | Machinery and Boiler Surveys (including date of N.B., if any) |
|--|------------------------------|---|
| *100A1 11.44 | | *LMC MS 3.40 |
| Examined 2.44 | | RS 3.45 |
| ssMob. 2nd No. 3-8.40 | | CI 5.43 |
| Carrying Petroleum in bulk | | |
| Fitted for oil fuel above 150° F. | | 12.26 F.P. |

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? -

Do the same for Donkey Boilers -

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? -

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 Boiler? - To what pressure were they afterwards adjusted under steam? -

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? - 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 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 -

Has 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? -

State date of examination of Screw Shaft - State the distance between lignum vitae 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? -

If so, 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. The vessel has been placed in the W.S.A. laid-up fleet at Mobile, Ala. To complete the survey repairs are required to main turbine rotor, turbine and gearing journals and bearings.

Now done: Lifted turbine casing and rotor, examined all parts and found the following defects:

Some damage to entrance edges of several turbine blades in scattered places.

Fifth stage disc loose on spindle.

Journals very rough and white metal of bearings "wiped".

Journals and bearings of gearing examined and found in similar condition.

Examined main condenser (tested), all pumps and pumping arrangements, (including cargo pumps and pumping arrangements).

Repairs: All pumps completely overhauled and parts renewed where necessary. (P.T.O.)

General Observations, Opinion, and Recommendation: It is recommended that the record of *L.M.C.

(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.E.M.S. 9,11, *L.M.C. 9,11, or *LMC 140 lb., F.D., &c.)

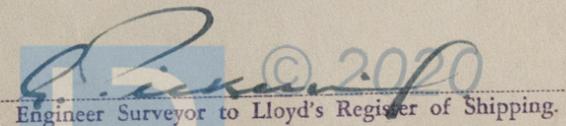
CS 3,34, remain as at present in the Register Book in the case of this vessel, subject to repairs to main turbine rotor, turbine and gearing journals and bearings, and any overdue surveys and repairs being carried out before the vessel proceeds to sea. Also subject to Owners informing intending purchasers of this condition regarding class.

Survey Fee (per Section 29) £ \$160.00 Fees applied for 30/10/1945

Special Damage or Repair Fee (if any) £ : : Received by me, 19

Travelling expenses (if chargeable) £ : 8.00

Committee's Minute NEW YORK NOV 14 1945
Assigned Deferred for Repairs


Engineer Surveyor to Lloyd's Register of Shipping.
Lloyd's Register Foundation

W300-0061

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

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

(The Surveyors are requested not to write on or below the space for Committee's Minute.)

Note! In accordance with W.S.A. policy regarding a limit to cost of repairs instructions were given to tow the vessel to Mobile River, Mobile, Ala., there to be laid-up indefinitely.

Cert. Bl issued, copy herewith.

[Handwritten signature]

*noted subject
Rell
15/12/45*



© 2020

Lloyd's Register
Foundation