

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

Date of writing Report May 21st 19 42 When handed in at Local Office May 21st 19 42 Port of MOBILE, ALABAMA
No. in Survey held at MOBILE Date, First Survey 13th May Last Survey 19th May 19 42
g. Book 19903 on the Machinery of the M.V. "OTINA" (No. of Visits 4)

Gross 6217 Vessel built at Odense By whom Odense Staalskibsvftved Year. Month.
Net 3604 Engines made at Amsterdam By whom A.P. Moller When 1938 5
377 Boilers, when made (Main) (Donkey) -
Main Boilers - Owners Anglo-Saxon Petroleum Co., Ltd. Owners' Address -
Donkey Boilers 1 Managers - Port London Voyage -
Main Boilers - If Surveyed Afloat or in Dry Dock both (State name of Dock.) Alabama D.D. & S.B. Co.
Donkey Boilers 180 lbs.

Particulars of Examination and Repairs (if any) T.S., D.B.S., part * LMC-CS
Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly 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 details being detailed in the body of the report, should be briefly summarised at the end of the report. State also the 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.
a damage report made by anyone else? If so, by whom? -
he Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? -
" " Donkey " " " yes
was 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 13/5/42 Present condition of funnel(s) good
he Surveyor examine the Safety Valves of the Main Boiler? - To what pressure were they afterwards adjusted under steam? -
he Surveyor examine the Safety Valves of Donkey Boiler? yes To what pressure were they afterwards adjusted under steam? 180 lbs.
he Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? - , and of the Donkey Boilers? yes
he Surveyor examine the drain plugs of the Main Boilers? - , and of the Donkey Boilers? -
he Surveyor examine all the mountings of the Main Boilers? - , and of the Donkey Boilers? yes
crew 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? L.V.
aft now been changed? no If so, state reasons -
he 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? -
ate of examination of Screw Shaft 14/5/42 State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft 3/32"
Engine parts, when referred to by numbers, should be counted from forward. Is electric light and/or power fitted? yes
did the Surveyor examine the generators, motors, switchgear, cables and fuses? yes
he insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? yes
Survey is not complete, state what arrangements have been made for its completion and what remains to be done T.S. & D.B.S. Complete, * LMC-CS
anced.

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)
* 100 A1 4,41 Carrying petrol- eum in bulk.		* LMC 5,38 T.S. CL oil eng Oil Engines Continuous Survey

el placed on drydock, examined the propeller, stern bush and sea connections with their fasten-
and found or placed in good order.
guard found missing and new plate rope guard fitted and secured to place.
shaft drawn in for examination (continuous liner), found in good order, replaced and stern
d repacked.

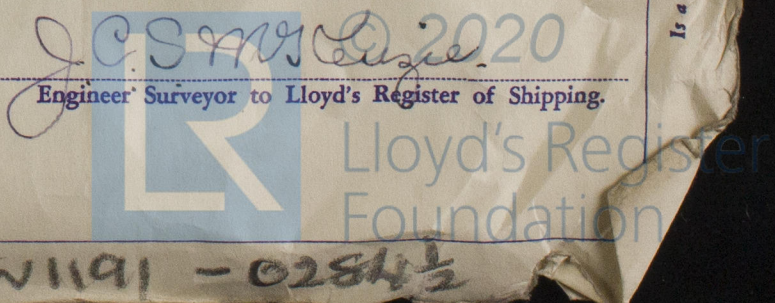
KEY BOILER SURVEY
donkey boiler examined internally and externally over all parts with mountings, fittings and
pipes and found or placed in good order.
ty valves adjusted under steam to the above pressure.
P.T.O.

eral Observations, Opinion, and Recommendation:— The machinery of this vessel, so far as seen,
ate 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 3,34,
ow in good and safe working condition and eligible in my opinion to remain as classed and to
records of D.B.S. 5,42 and TAIL SHAFT LAST SEEN 5,42 and notation of * LMC-CS with date in the
ster Book when the cycle is completed.

Fee (per Section 29) D.B.S. \$ 15.00 T.S. £ 20.00 Fees applied for May 21, 19 42
Damage or Repair Fee (if any) £ 50.00 (per Section 29.) pt. M.S. 50.00 Received by me, 19
ing expenses (if chargeable) £ 4.00
Elec. Installation 25.00
mittee's Minute MAY 27 1942
igned As now
D. B. S. 5,42 T. S. 5,42
W1191 - 0284 1/2

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

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



M.V. "OTINA"OIL BURNING INSTALLATION

All accessories (Circular 1748) tested under working conditions; oil fuel service pumps and oil transfer pump opened up and examined. The controls for the fuel and steam smothering systems examined, with valves and oil discharge pipes etc., and are now satisfactory.

* IMC-CS - NOW DONE

Examined the following parts of machinery etc. in accordance with the Rules and found or placed in good order:-

Pumping arrangements. Bilge, sanitary and jacket cooling water pumps driven from main motor. Fan engine. Lower air receiver. Kromhaut air receiver. After boiler feed pump. Fuel oil transfer pump. Oil burning installation complete. Settling tanks. Sea connections. Electrical installation.

REPAIRS - WEAR & TEAR

Condenser opened up for examination, tested and found tight.
Nos. 1 and 6 scavenging valves examined and cleaned.
Lower air receiver cleaned internally and coat of varnish applied.
Jacket cooling pump - sixteen (16) valve studs and sixteen (16) hinge pins for valves renewed.
Other repairs of a minor nature effected at this time.

ELECTRICAL INSTALLATION

The electric installation has been examined and tested out in accordance with the Rules under full working conditions and found or placed in order.
All electric circuits megger tested and grounds located and cleared.

Upon completion of repairs main and auxiliary machinery were given a dock trial, during which period all machinery worked satisfactorily.

JCS msc

Noted
M/completed.

It is submitted that
this vessel is eligible for

RECORD. *thence 542*

840

SS 542 SS 42

Chagun 12.38

Reyn
under 240
9/7/42

RECEIVED
12-11-42



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