

No. 53494

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

(Received at London Office.....)

20 SEP 1954

Date of writing Report..... August 27 19 54 When handed in at Local Office..... 19..... Port of..... New York

Survey held at..... Hoboken Date..... First Survey..... 4/23/54 Last Survey..... 6/14 19 54

(No. of Visits..... 6.....)

on the Machinery of the ~~Wood, Iron or Steel~~ S.S. "SINCLAIR RUBILENE"

Gross..... 7875 Vessel built at..... Quincy, Mass. By whom..... Beth. Steel Co. S.B. When..... 1941 9
Net..... 4430 Engines made at..... Trenton, New Jersey By whom..... DeLaval Steam Turbine Co When..... 1941
al..... 898 Boilers, when made (Main)..... (Donkey).....
wer..... Owners..... Sinclair Refining Co. Inc. Owners' Address.....
ain Boilers..... (if not already recorded in Appendix to Register Book.)
Donkey Boilers..... Port..... Wilmington Voyage.....
essure..... If Surveyed Afloat or in Dry Dock..... Both-Todd Shipyards Corpor
a Boilers..... 500 lbs (State name of Dock.)
Spl 465, Particulars of Classification (which must be inserted
key Boilers..... precisely as in Register Book & Supplements).

Report No..... Port..... Advancement of Machinery Survey,
Details of Examination and Repairs (if any)..... B.S. and General Repairs.....

Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the cause of Repairs, if any, and the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarized at the report. State also the dates and 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 offered 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 " " " " "

Reasons for what reasons..... What parts of the Boilers could not be thus thoroughly examined?..... Tested hydraulically to 700 lbs per sq. in.

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..... Both June 7, 1954 Present condition of funnel(s)..... good

Surveyor examine the Safety Valves of the Main Boilers?..... yes To what pressure were they afterwards adjusted under steam?..... not adjusted

Surveyor examine the Safety Valves of the Donkey Boilers?..... 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?.....

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

Shaft now been changed?..... If so, state reasons..... Has the shaft now fitted been previously used?..... Has it a continuous liner?.....

Approved oil retaining appliance fitted at the after end?..... State date of examination of Screw Shaft..... State the wear down in the

Wear down..... 3/16" Is electric light and/or power fitted?..... yes If so, did the 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

When referred to by numbers, should be counted from forward. Auxiliary machinery should be referred to by position in Machinery Space.

If survey is not complete, state what arrangements have been made for its completion and what remains to be done..... To complete the survey safety valves of both

Boilers require to be adjusted under steam, O.W. Burning arrangements etc. to be examined and tested

Working conditions, also machinery to be tried under working conditions.

Report has been held up pending the completion of survey which will receive attention when the

Vessel is commissioned. She is at present lying at Todd Shipyard, Hoboken, New Jersey, and the

Representative states that he is unable to give the date when the vessel will be placed in

Service again.

Placed in floating dock. Propeller, after end of sternbush, sea connections and their

Connections examined.

Examined Main H.P. & I.P. Turbines, casings, rotors and bearings, flexible couplings, main reduction

Main thrust bearing, Thrust and intermediate shafts, steam turbine electric generator sets.

and all auxiliaries, main and auxiliary condensers (tested) PTO

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.)

Machinery of this vessel is in good condition and eligible in my opinion to remain as classed

Fresh records of survey *LMC 6-54 on completion of survey.

(per Section 29) Machinery & BS \$ 350.00

Damage or Repair Fee (if any) (per Section 29) \$ 50.00

Expenses (if chargeable) \$ 2.00

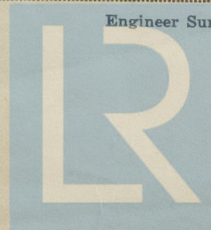
Surveyor's Minute NEW YORK SEP 1 1954

Referred for comp. + LMC

Fees applied for

Received by me,...

B. P. Witowski
Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register
Foundation

003611-003614-0141 1/2

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

MACHINERY OF THE S. S. "SINCLAIR RUBILENE"

Also the valves, pipes and strainers of the pumping arrangements, windlass, and steering gear.

Electrical equipment examined and tested as required by the rules.

Boiler Survey:

Both boilers and superheaters examined internally and externally together with their mountings. Subsequently both boilers tested hydroulically to 700 lbs/per sq. inch and found in order.

REPAIRS WEAR AND TEAR:

Main turbines: H.P. Flexible coupling rotor end hub and sleeve renewed (Worn).

All parts overhauled and bearing clearances checked.

Aux. circulating pump: Impreller renewed (Worn).

Aux. Condensate pump: Impeller and casing wear rings renewed (Worn).

Bilge and ballast pump: Liquid end cylinder block renewed (Wasted).

Port boiler: Saturated steam stop valve seat renewed (Cracked).

Brick Work in both boilers repaired where necessary.

A number of minor repairs to main turbines, auxiliaries and boiler mountings carried out.

Anchor windlass overhauled throughout.

Electrical equipment: The armature of Nos. 1 and 2 turbo generators, main circulating pump motor, aux. condensate pump motor and air compressor motor removed to shop and overhauled throughout.

A number of minor repairs to cables and fittings carried out.

Bw / -

Notes
Part 2 MC

Jan 9 1884

See this Rept

From New York
Canton 2032 has been opened
then sent
Photostat only N.Y. 4th Lt 28-12-54



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