

No. 10944

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

(Received at London Office)

13 JUL 1953

11th June 1953 When handed in at Local Office 19 Port of Amsterdam
at Amsterdam Date First Survey 29th April Last Survey 6th June 1953
(No. of Visits 15)

Machinery of the Wood, Iron or Steel S.S. "HYRCANIA"

14 Vessel built at Mobile, Ala By whom Alabama DD & SB Co Year. Month.
5 Engines made at Lynn, Mass By whom Gen. Electric Co When 1944 -
6 Boilers, when made (Main) 1944 (Donkey)
7 (S) Owners Baltic Trading Co Ltd Owners' Address London
54 Managers Port London Voyage 76 Mena al Ahmadi
+ Surveyed Afloat & in Dry Dock
(464 lb) (State name of Dock.) N. D. S. M. Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Port LMC
Examination and Repairs (if any) LMC
held, must be reported in detail and verbatim in the terms of the Rules. State clearly the nature and extent of examinations and subsequent repairs. Repairs on use of which must be stated should be separated from repairs due to other causes; and besides of the report, should be briefly summarised at the end of the report. State also the dates and effecting this case CLASSN (H). 2-5-53

Surveyor has not made a special damage report he is required to state whether he offered his se, and why they were declined
by anyone else? If so, by whom?
go inside each Main Boiler separately and make a thorough examination at this time? yes

Donkey " " " What parts of the Boilers could not be thus thoroughly examined?

absence of internal examination, were adopted by the
If of the thorough efficiency of those parts of each Boiler?
examination of each boiler 7/5 Port 13/5 Starboard Present condition of funnel(s) good

the Safety Valves of the Main Boilers? yes To what pressure were they afterwards adjusted under steam? 500 lb

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

all the manholes, doors and their fastenings of the Main Boilers? yes and of the Donkey Boilers?

the drain plugs of the Main Boilers? and of the Donkey Boilers?

all the mountings of the Main Boilers? yes and of the Donkey Boilers?

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

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

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

Is electric light and/or power fitted? yes If so, did the Surveyor examine the generators, motors, switchgear cables and fuses? yes

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

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

te, state what arrangements have been made for its completion and what remains to be done

ed in dry dock; propeller & outside fastenings examined and found in order.

of seaconnections (pretzings removed) examined and found in order.

low injection valve removed and replaced by a similar new one, supplied by

cast steel - this one being internally rubber lined all over).

ie opened out, all parts as rotor with moving blades and shaft journals, and with guide blades, labyrinth glands, bearings and adjusting block examined in satisfactory condition.

motor opened out, stator and armature with shaft journal & bearing examined & made in order; stator windings dried & painted, armature transported to beaced on lathe and D.C. rings skimmed.

Please see Continuation sheet.

ions, Opinion, and Recommendation: -
hat 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 required to be made in the records of the vessel's machinery, boilers, working pressures, etc.)

inery being in a good condition I am of opinion that same is eligible
is classed with fresh record of LMC. 6,53

in low inj. valve" and "in board generator turbine blading" to be expunged from S.R. list.

f 1050.- Fees applied for, W-7 1953
per Section 23.) Received by me, 19
argeable) £ 10.50
FRIDAY 31 JUL 1953

LMC 6,53 without apl. adm.
CERTIFICATE WRITTEN

003631-003639-0041/3

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

Is a Certificate required? If no, to be sent to

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Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

machinery of the S/S "HYRCANIA"

propelling motor with both rotor shaft journals & bearings examined and found in satisfactory condition.

rollers of both Main Alternator and Main propelling motor examined, tested and found in order.

thrust block examined and found with thrust shaft, bearing pads in good condition.

mediate shaft examined and found with bearing in order.

Turbo generators opened out, all parts examined and found in good condition. The following repairs carried out:

at Turbo: both diaphragm plates with guide blades renewed.

turbo rotors: transported to workshop, placed on lathe and shaft in way of carbon glands & labyrinths skimmed; carbon rings and labyrinths renewed.

pumps, as enumerated below, opened out, examined and found in good condition:

circulating pump (vert. centrif. - casing halves, being corroded beyond repair, machined out, new solid bronze beddings fitted, and the same impeller & shaft fitted) - both Main condensate pumps (vert. centrif.) -

auxiliary condensate pump (centrif.) - Auxiliary circulating pump (vert. centrif.) -

Turbo feed pumps (Coffin type) - Auxiliary feed pumps (Simples) -

Main lubricating oil pumps (worm type) - F.O. Transfer pump (worm type) -

F.O. burning pumps (worm type - pinions of Fwd. one renewed) -

Bilge pumps (displacement type - pump liner & rotor shaft of Aft one

replaced) - both Fire & Butterworth pumps (centrif.) - both Sanitary

pumps (centrif.) - General service pump (Duplex) and F.O. Transfer pump

in Forward Pumproom - both Air compressors for Combustion

control - Steering gear (elect/hydr. - Duplex unit) - Windlass (steam).

Air receiver for Combustion Control examined internally and externally and found with its mountings in good condition.

Main condenser, Auxiliary condenser, Feed Heater, both F.O. Heaters, Pre-Heater, and both Main lubricating oil coolers opened, examined, tested and found in good condition.

Feed heater examined and found in order.

Evaporator opened out and examined, coils annealed & hydr. tested, and found in good condition.

Valves and pipes of Bilge, Ballast & F.O. pumping arrangements examined and found in efficient condition.

machinery of the S/S "HYRCANIA"

...ing arrangement examined, tried and found or made
...ear verified and found complete.

... Equipment throughout examined, i.e. generators, electric
main switch board with all switch gear, sub-boards, cables,
& switches and found in a satisfactory state of upkeep.

... minor routine repairs carried out.

...lation megger tested and tried under working condition with
satisfactory results.

main boilers examined throughout and found with their
fittings in satisfactory condition.

... of upper tube nests of both air heaters (being corroded) renewed.

... of burner front in both boilers renewed.

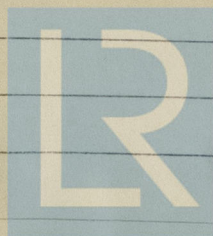
... & safety valves opened out, examined and found or made in
cast steel blow down valve of Starboard boiler (being wasted)
replaced by a new one.

... afterwards tried under steam and found with the F.O. burning
and steam smothering arrangement in good working order.

... safety valves have been adjusted.

... completion of the survey the machinery has been tried under
with satisfactory results.

[Signature]



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