

Rpt. 9.

REC'D NEW YORK JUN 14 1948

SECTION.

No. 2546

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

Date of writing Report 10th June 1948

When landed in at Local Office 10th June 1948

(Received at London Office)

JUL 1948

Port of BALBOA, CANAL ZONE

No. in

Survey held at

Cristobal, C. Z.

Date, First Survey 29th Apr.

Last Survey 7th May

1948.

Reg. Book

67764

(No. of Visits 3.)

83186

on the Machinery of the ~~Wood Iron or Steel~~ S. S. "EMPIRE CONSEQUENCE"

Year. Month.

Tonnage

Gross 1998

Net 1065

Vessel built at Lubeck

By whom Lubecker Maschb. Ges.

When 1940

Nominal

Horse Power

Engines made at Hamburg, Altona.

By whom Ottensen lt Steel Work Co

When 1940

No. of Main Boilers

Boilers, when made (Main) -

(Donkey)

No. of Donkey Boilers

Owners U. S. Maritime Commission

Owners' Address

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

Steam Pressure

in Main Boilers

Managers

Port Tacoma, Wash.

Voyage

in Donkey Boilers

If Surveyed Afloat or in Dry Dock Afloat

(State name of Dock.)

Cristobal, C. Z.

Particulars of Classification (which must be inserted precisely as in Register Book &amp; 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)
Examined IP 4-48		MS 10.45
100A1		BS (WT) 2.474
Class. Bmt. 1		(235 lb)
Dry - 4.48		CL 8.45.
		3.48

East Report No. 48418 Port N Y N

## Particulars of Examination and Repairs (if any) Temp. Blr. Rprs.

Periodical 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, 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.

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? U. S. Salvage Association

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? -

" " Donkey " " " -

If this was not done, state for what reasons? Chief Engineer stated that the B. S. had been carried out in New York 4.48.

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? -

The latest date of internal examination of each boiler -

Present condition of funnel (X) 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 Boiler? -

Did the Surveyor examine all the mountings of the Main Boilers? -

and of the Donkey Boilers? -

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? -

Screw shaft now been changed? - If so, state reasons -

Screw 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? -

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 Vessel Afloat

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? -

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 -

Vessel on a voyage from New York to Seattle via Panama Canal in ballast.

Left New York 13th April, 1948, anchored off Delaware Breakwater to rejoin stay nuts on main condenser and renew fusible plug in Port Boiler 14th and 15th April.

21st April 1948, one (1) water tube in outboard furnace of Starboard Boiler ruptured and was plugged.

Arrived Cristobal 29th April 1948.

Chief Engineer stated difficulty had been experienced in maintaining steam.

FOUND: Bridges of all furnaces broken and water tube combustion chamber bottoms full of ashes. On examination of waterside of furnaces, smoke and water tubes coated with scale.

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General Observations, Opinion, and Recommendation:— The machinery of this vessel, so far as now

(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.&M.S. 9.11, \*L.M.C. 9.11, or \*L.M.C. 140 lb., F.D., &c.)

seen, is in safe working condition and it is recommended the record of B. S. (WT) with date

previously recommended be retained in the Register Book, subject to two plugged water tubes being renewed at first opportunity.

Survey Fee (per Section 29)

\$ : :

Special Damage or Repair Fee (if any)

\$100.00:

(per Section 29.)

21.00

Selling expenses (if chargeable)

\$ : :

Fees applied for

10-6- 1948

Received by me,

19

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned as now subject

NEW YORK JUN 16 1948

FRI 21

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(P.E.N.) 14/6



Repairs, &c., of Engines and Boilers.

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Now done:

Back ends of furnaces cleaned.

Furnaces and smoke tubes scaled.

Water tubes turbed.

Boilers tested hydraulically to 300 lbs. found tight.

Two (2) plugged water tubes in outboard furnace of Starboard Boiler were not replaced at this time as new tubes were not available.

Surveyor.

W. B. Brown

Notes.  
Subject recommended and  
cables left. Refer to the water  
gauge connection at the next P.S.  
For explanation of Classification  
Survey to be done on 7-7-68.

7.4  
3/8/68