No. 41996

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

(Received at London Office 27 FEB 1942)

Date of writing Report ..... 19 ..... When handed in at Local Office ..... 19 ..... Port of Newport

Book 30271 Survey held at Newport, N.Y. Date, First Survey Dec 9 Last Survey Dec 30 1941 (No. of Visits 5)

on the Machinery of the Wood, Iron or Steel T.S.M.V. "PERSEPHONE"

Gross 8426 Net 5955 — 905

Vessel built at Kiel By whom Fr Krupp When 1925 5 (Year. Month.)

Engines made at Ditto By whom Ditto When " "

Boilers, when made (Main) none (Donkey) 1925

Owners Panama Transport Co Owners' Address (if not already recorded in Appendix to Register Book.)

Managers Port Panama Voyage

If Surveyed Afloat or in Dry Dock Both (State name of Dock.) Bethlehem Steel Co

Main Boilers ✓ 2 W.T.
Donkey Boilers 2 S.E.
Spare — ✓
Donkey Boilers 2-200 3-70
Donkey Boilers 2-70

Report No. ..... Port .....

Particulars of Classification (which must be inserted precisely as in Register Book & 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.S., if any)
✠ 100 A1 Ph ex		✠ LMC CS
with ✠ Bd - made	5.41.	11-37 - 11-40
S.S. Hull N 3-11-37		C P-7-39.
		S - 10-40
Carry petrol in Bulk		DBS. 11-40.

Particulars of Survey and Repairs (if any) Condition

Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and being detailed in the body of the report, should be briefly summarised at the end of the report. State also the initials of any letters respecting this case.

In cases where the Surveyor has not made a special damage report he is required to state whether he called 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? None

" Donkey " " " Yes

If not done, state for what reasons? ✓

Parts of the Boilers could not be thus thoroughly examined? ✓

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? ✓

Oil Engines — Various Surveys

Date of internal examination of each boiler Dec 11th 1941 Present condition of funnel(s) Good

Surveyor examine the Safety Valves of the Main Boiler? none To what pressure were they afterwards adjusted under steam? none

Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam? 2-200 lb. 3-70 lb.

Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? none, and of the Donkey Boilers? Yes

Surveyor examine the drain plugs of the Main Boilers? none, and of the Donkey Boilers? Yes

Surveyor examine all the mountings of the Main Boilers? none, and of the Donkey Boilers? Yes

Has shaft now been drawn and examined? No 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 now been changed? ✓ If so, state reasons ✓

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 1/16"

Machine 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? ✓

Insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms.? ✓

Survey is not complete, state what arrangements have been made for its completion and what remains to be done ✓

Done:- Vessel placed on drydock, Propellers and outer gear fastenings examined & found to now placed in good order.
Boilers examined externally & internally with mountings, steam pipes & tubes under hydrostatic pressure & same found or now placed in good order.
Safety valves were adjusted under steam at pressures noted above.
Fuel oil installation with piping, valves and deck controls was examined under working conditions & found to be satisfactory.

On Examination the following was effected:-
Main Motor No. 1. 3 & 4 Cylinders, pistons, valves, valve gear & covers examined

Final Observations, Opinion, and Recommendation:- Continued on Page 2.

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 ✱LMC 140 lb., F.D., &c.)
CS 3,34.

The machinery of this vessel is in good order & eligible in my opinion to remain as now classed with Pref record of ✠ LMC CS with date when survey is completed and D.B.S. 12-41.

Fee (per Section 29) $90.00 :

Damage or Repair Fee (if any) $: : (per Section 29.)

Travelling expenses (if chargeable) $: :

Fees applied for Jan 22 1942

Received by me, 19

Committee's Minute

Signed As now

D. B. S. 12, 41.

NEW YORK JAN 21 1942

W. Lorrie Riddle

Engineer Surveyor to Lloyd's Register of Shipping.

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

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

W207-0076(112)

"Persephone"

C.L. Continued from Page 1.

Port main motor No. 1 Connecting rod & Gudgeon

Stbd main motor
No 2 Cylinder piston, rings, valves & cover Examined.
No. 4 Connecting rod & Gudgeon.

Port main motor Lubricating oil pump.

Repairs - Adjustments & renewals to main motors and auxiliaries where necessary were effected. 2 Spare main motor pistons were taken to shop; overhauled & replaced on board following test.

Boiler Repairs Port Gas Boiler all tubes were renewed

The main & auxiliary machinery were examined under working conditions and found to be in satisfactory order.

M.L.

2nd No/are 1141 Noted

For S.R. Steam pipes tested 12.41.

S.O.N.Yh.
31-3-42.

Submitted the Surveyor be asked to state the test pressure applied to the Boilers & Steam pipes.

11/3/42.

1½ hours N.Y.
Rec'd 19/3/42

Also see attached endorsement 12/3/42