

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

(Received at London Office)

OCT 28 1938

Date of writing Report 21/10/1938 When handed in at Local Office 21/10/1938 Port of PIRAEUS.

No. in Reg. Book. 77360 Survey held at PIRAEUS. Date, First Survey 21st MARCH, Last Survey 10th OCT 1938. (No. of Visits 19)

on the Machinery of the ~~Wood, Iron or Steel~~ sc. "KEHREA"

Tonnage { Gross 1968 Net 1118 Vessel built at St. G. Largaud By whom Dunlop & Brunel Co. Ltd. When 1912-7

Nominal Horse Power 227 Engines made at - DO - By whom - DO - When 1912

No. of Main Boilers 253 Owners J. N. Epiphaniades Owners' Address (Donkey)

of Donkey Boilers ✓ Managers (if not already recorded in Appendix to Register Book.)

am Pressure— 180lb Main Boilers 180lb Port PIRAEUS Voyage ✓

Donkey Boilers ✓ If Surveyed Afloat or in Dry Dock Piraeus Harbours (State name of Dock.) No 2. D. D.

st Report No. _____ Port _____

Particulars of Examination and Repairs (if any) L.M.C

Periodical Surveys, when held, must be reported in detail and seriatim 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 names and initials of any letters respecting this case.

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

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? ✓

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

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 180lb.

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? Yes and of the Donkey Boilers? ✓

Did the Surveyor examine the drain plugs of the Main Boilers? ✓ and of the Donkey Boilers? ✓

Did the Surveyor examine all the mountings of the Main Boilers? Yes and of the Donkey Boilers? ✓

Has the screw 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 the shaft now been changed? ✓ If so, state reasons _____

Has the 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? ✓

State the date of examination of Screw Shaft ✓ State the distance between lignum vitae ~~embedding metal~~ of stern bush and top of after bearing of screw shaft 3/16"

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

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? Yes

Is the survey not complete, state what arrangements have been made for its completion and what remains to be done. Complete.

WORK DONE FOR L.M.C. Vessel placed in drydock. Propeller, outer end of stern bush, sea connections & outside fastenings examined. Examined all main engine cylinders, pistons, slide & piston valves; crank, thrust, & tunnel shafts; main engine pumps, viz. oil, circulating, feed & bilge pumps, all auxiliary pumps, air valves & connections. Condenser examined under test. Main & auxiliary steam pipes (Copper), removed, annealed, tested to 360 lb/sq. in. Electric light installation examined & found to be correct, as per rule. Both main boilers examined.

General Observations, Opinion, and Recommendation:— The machinery of this vessel is in good condition, & eligible in my opinion to remain as classed, with fresh record of L.M.C. 10.38.

Subject to: "Donkey boiler not to be used."

Fee (per Section 29) L.M.C. £27: 10: 0 Fees applied for 21/10/1938 P.F.B.

Damage or Repair Fee (if any) (per Section 29.) £ 3: 0: 0 Received by me, P. F. Balfout

Traveling expenses (if chargeable) £ 1: 4: 0 19 1938 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE 8 NOV 1938

Signed + L.M.C. 10.38 subject

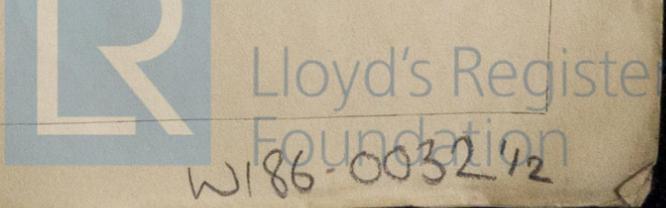
CERTIFICATE WRITTEN

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

CHARACTER.	Years assigned now or last.	Machinery and Boiler Surveys (including date of N.B., if any).
100 A.1.	2.37	L.M.C
B.S. No. 3.	3.25	M.S. 7.34
B.S. No. 2.	3.4	B.S. 9.27
Donkey boilers not fitted.		T.S. 04 7.36

Subject to the DONKEY BOILER not being used. SEE LIMITATION LIST.

P. F. Balfout
Engineer Surveyor to Lloyd's Register of Shipping.



W186-003272

STEEL SC. "KEHREA"

throughout, together with mountings, manholes, doors, & fastenings; afterwards examined under steam, & their safety valves adjusted to pressure stated above.

REPAIRS NEARLY TEAR.

M.P. & L.P. crank pin brasses, both bottom halves re-metalled.

4 Thrust shoes re-metalled on ahead side.

Division plate of Condenser door renewed.

1 feed tam renewed, & 1 feed tam & 2 bidge tams skinned up, neck & gland bushes renewed.

BOILERS.

PORT. PORT COMBUSTION CHAMBER. A portion of combustion chamber back plate cut out & renewed. 3' x 2'.

20 screw stays in way renewed.

STAR^{BD}. CENTRE COMBUSTION CHAMBER. A portion of combustion chamber back plate cut out & renewed. 2'4" x 2'8".

20 screw stays in way renewed.

STAR^{BD} COMBUSTION CHAMBER. A portion of combustion chamber back plate cut out & renewed. 3'0" x 2'8".

24 screw stays in way renewed.

In each case, plate was cut between stays, & new portion fitted by electric welding.

CENTRE FURNACE. The end corrugation (adjacent to back tube plate) found wasted. Wasted portion cut out 1'11", & new piece fitted by electric welding.

Aux stop valve chest of PORT boiler renewed, C.I. Tested to 400 lbs/sq" hydraulically, previous to fitting.

Bottom manhole opening in STAR^{BD} boiler on p.s. built up by electric welding, & door refitted.

On completion of repairs, both main boilers tested hydraulically to 200 lbs/sq" & found satisfactory.

Limitation List. "Repair centre & stbd. c.c. backs of stbd B".

This has now been dealt with as per report, & it is recommended that this item may be deleted from the Limitation List.

P. V. B



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WF86-0032^{2/2}