

Date of writing Report21/10/1938When handed in at Local Office21/10/1938Port ofPIRAEUS.

No. in Reg. Book.77360Survey held atPIRAEUS.Date, First Survey21st MARCH, Last Survey10th OCT 1938.

on the Machinery of theWood Iron or Steel sc."KEHREA".(No. of Visits - 12 -)

Tonnage { Gross 1968
Net 1118. Vessel built atPl. GlargauBy whomDunlop & Brunel Co. Ld. When 1912-7.

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

No. of Main Boilers 253. OwnersY. N. EpiphaniadesOwners' Address- (Donkey) ✓

of Donkey Boilers ✓Main Pressure- 180lbMain Boilers 180lbManagers- (if not already recorded in Appendix to Register Book.)

Donkey Boilers ✓If Surveyed Afloat or in Dry DockPiraeus HarbourVoyage- (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 serially 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.

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.

Is 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

Donkey " " " "

Is this not done, state for what reasons?

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?

Latest date of internal examination of each boiler Prs. 20-9-38. Present condition of funnel(s) Good.

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? Yes 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? Yes, and of the Donkey Boilers?

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

Has screw shaft now been drawn and examined? No Is it fitted with continuous liner? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? Yes

Has shaft now been changed? If so, state reasons

Has the shaft now fitted been previously used? Yes Has it a continuous liner? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? Yes

State of examination of Screw Shaft State the distance between lignum vitae bearing 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

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

NOW DONE FOR L.M.C. Vessel placed in dry dock. 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, & their 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. 227: 10: 0 Fees applied for 21/10/1938 P.F.B.

Damage or Repair Fee (if any) 23: 0: 0 Received by me, P.F. Balfour.

Selling expenses (if chargeable) 21: 4: 0 19 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE 8 NOV 1938

signed + LMC 10.38 subject -

CERTIFICATE WRITTEN

Lloyd's Register Foundation

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 NEAR 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 ram renewed, & 1 feed ram & 2 bidge rams 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 & star^{BD} c.c. backs of star^{BD} B".

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

P.Y.B