Rpt. 9.

No. 17,439

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

(Received at London Office MAR 5 1940)

Date of writing Report 8/1/1940 When handed in at Local Office 8/1/1940 Port of SYDNEY, N.S.W.

No. in Reg. Book. 31013 Survey held at SYDNEY, N.S.W. Date, First Survey 1st Jan Last Survey 2nd Jan 1940 (No. of Visits 2.)

on the Machinery of the ~~Wood, Iron or~~ Steel T.S.S. "ORFORD"

Tonnage { Gross 20043 Net 11982

Nominal Horse Power 3825

No. of Main Boilers 6D 2S

No. of Donkey Boilers ✓

Steam Pressure— in Main Boilers 215 lbs

in Donkey Boilers ✓

Vessel built at Barrow By whom Vickers Ltd When 1928 - 3

Engines made at Barrow By whom Vickers Ltd When 1928

Boilers, when made (Main) 1928 (Donkey) ✓

Owners Orient Stm. Nav. Co. Ltd Owners' Address ✓ (if not already recorded in Appendix to Register Book.)

Managers ✓ Port Barrow Voyage —

If Surveyed Afloat or in Dry Dock Woolwich dry dock (State name of Dock.)

Last Report No. Port

Particulars of Examination and Repairs (if any) { H.P. Turbine casing & Docking etc.

Periodical Surveys, when held, must be reported in detail and seriatim 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.

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.	Limit assigned now expired.	Machinery and Boiler Surveys (including date of N.B., if any)
✠ 100 A1 With freeboard 6.39. S.S. Lon. No. 2 - 36.		✠ LMC MS 9.34 BS 11.38 T.S.(s) 6.37 CL "(P) 2.37 " Lloyd's RMC 2.35.
Fitted for oil fuel 3.28 FP above 150° F.		

In damage cases where the Surveyor has not made a special damage report he is required to state whether he has 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? —

" " Donkey " " " —

If this was not done, state for what reasons? —

Did 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(s) 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 Boilers? —

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

Has 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 shaft now been changed? — If so, state reasons —

Is 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? —

Date of examination of Screw Shaft — State the distance between lignum vitæ or bearing metal of stern bush and top of after bearing of screw shaft P. ·1", S ·13

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 Survey is not complete, state what arrangements have been made for its completion and what remains to be done Complete (M.S. partly held U.K.)

Work done :—

The Vessel in dry dock, propellers, outer end of stern bushes, underwater fittings & fastenings examined. Refrig. Machy. sea inlet opened up & examined.

Limit^n List :- A special examination made of the Starb^d ahead turbine casing where the forward end flange of lower casing is cracked. So far as could be seen or ascertained without dismantling, the cracks do not appear to have extended the casing remains efficient. It is recommended that further examination be again made before the end of 1,41 (12 months).

At the request of the Defence Dept^t & with the consent of the Owner's Representatives, a general examination made of the Vessel & a Rpt. furnished, as per copy attached to Hull Rpt.

General Observations, Opinion, and Recommendation:—

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 3,34, 140 lb., F.D., &c.)

The Machinery of this Vessel, as far as seen, is now in good & efficient condition — eligible to remain as classed without fresh record subject to Starb^d H.P. Turbine casing at its forward end being again examined before the end of 1,41 (Copy of Lt^r 4a attached).

Fee (per Section 29) (Owners) £ 1 : 1 : 0

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

Docking expenses (if chargeable) £ : :

Fees applied for 2/1/1940

Received by me, 19

Committee's Minute FRI 15 MAR 1940

Classed Deferred

Engineer Surveyor to Lloyd's Register of Shipping.

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

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

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