

REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

(Received at London Office)

Date of writing Report 19 When handed in at Local Office 12 JUL 1948 Port of NEWCASTLE-UPON-TYNE
No. in Survey held at South Shields Date First Survey 11/5/48 Last Survey 17/6/48
p. Book. 77918 on the Machinery of the Wood, Iron or Steel Turbo Electric 'TURBINELLUS' (No. of Visits 20)

Gross 10640 Vessel built at Portland Oregon By whom Kaiser Co. Inc. Year. Month.
Net 6302 Engines made at Schenectady By whom General Electric Co. When 1944
Boilers, when made (Main) 1944 (Donkey)
Owners Anglo Saxon Petroleum Co. Ltd. Owners' Address
Managers (if not already recorded in Appendix to Register Book.)
If Surveyed Afloat or in Dry Dock Both Port London Voyage
(State name of Dock.) Middle Dock & Eng. Co.

st Report No. Port
Particulars of Examination and Repairs (if any) LMC + TS.

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).
CHARACTER. 100A1 10.47
Date of last Survey and of Periodical Surveys. (Classification contemplated)
From 10.47
Machinery and Boiler Surveys (including date of N.B., if any).

amage 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?

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

Donkey " " " "

Is was 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 31.5.48 Present condition of funnel? Efficient

the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 500 lbs. 473 lbs. 1/2

the Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam?

the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes and of the Donkey Boilers?

the Surveyor examine the drain plugs of the Main Boilers? Yes and of the Donkey Boilers?

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

the screw shaft now been drawn and examined? Yes 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? No

shaft now been changed? No If so, state reasons

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? No

date of examination of Screw Shaft 4.6.48 State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft 5/32

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

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: Propeller, screw shaft, stern bush, sea connections and outside fastenings opened up, examined and found or placed in efficient condition.

Main turbine, 525 kW. turbine and gearing, thrust and intermediate shafts, main and auxiliary condensers (tested), all auxiliary pumps, pumping arrangements, electric hydraulic steering gear, windlass engine and emergency diesel oil engine driving 75 kW alternator opened up, examined and found or placed in efficient condition.

Boilers with their mountings and safety valves examined and found or placed in safe working condition. Safety valves adjusted under steam to the above stated pressures. Oil fuel and steam smothering installations tested under working conditions and a general examination made of the fuel tank valves, deck control gear, Cont.

General Observations, Opinion, and Recommendation:— The machinery of this vessel (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, R.S. 9,11, B.&M.S. 9,11, & L.M.C. 9,11, or & L.M.C. 140 lb., F.D., &c.)

is eligible in our opinion to have records LMC (W.T.B.S) 6.48. 500 lbs. 473 lbs. 1/2

F.D. T.S.C.L 6.48. Heating surface 11,354 sq. ft.

Fitted for oil fuel 1944. F.P. above 150°F.

Survey Fee (per Section 29) £ : : Fees applied for
GENERAL SUPERVISION 19
Special Damage or Repair Fee (if any) £ : :
(per Section 29.)
Travelling expenses (if chargeable) £ : :
Received by me, 19

Committee's Minute Fri. 13 AUG 1948

Assigned See F.E. Mchey Rpt.

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TURBINELLUS

and oil discharge pipes between the pumps and burners.

W & T repairs

Main circulating pump impeller and shaft renewed.
Auxiliary circulating pump impeller and shaft renewed.
Port boiler - 3.2" water tubes - blistered - renewed.
Main stop valve lid renewed.

Examined main and auxiliary machinery under working conditions and found satisfactory.

[Signature]
SURVEYOR TO LLOYD'S REGISTER
NEWCASTLE-ON-TYNE



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