

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

(Received at London Office)

MAR 16 1940

Date of writing Report 14 March 1940 When handed in at Local Office 14 March 1940 Port of Belfast

No. in Reg. Book 33717 Survey held at Belfast Date, First Survey 25 Jan Last Survey 5 March 1940 (No. of Visits 3)

on the Machinery of the Wood, Iron or Steel "SARANAC"

Tonnage } Gross 12049 Vessel built at Newcastle By whom Palmer Ltd. When 1915-6  
Net 7374 Engines made at Newcastle By whom Palmer Ltd. When 1915

Nominal Horse Power 793 Boilers, when made (Main) 1918 (Donkey)

No. of Main Boilers 4 Owners Anglo American Oil Co Ltd. Owners' Address (if not already recorded in Appendix to Register Book.)  
Managers J. J. Wolfe Port Newcastle Voyage

No. of Donkey Boilers 1 Managers J. J. Wolfe Port Newcastle Voyage  
Steam Pressure in Main Boilers 220  Surveyed Afloat  in Dry Dock Thompson & D. Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Last Report No. \_\_\_\_\_ Port \_\_\_\_\_

Particulars of Examination and Repairs (if any) Reg. Comp. BS & MS.

(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.)

In 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 personally go inside each Donkey Boiler separately and make a thorough examination at this time? yes

If this was not done, state for what reasons? P & S. FRD BOILERS examined 9.39. (Belfast Report No 12468).

And what parts of the Boilers could not be thus thoroughly examined? \_\_\_\_\_

Also what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of these parts of each Boiler? \_\_\_\_\_

State latest date of internal examination of each boiler P & S. AFT BOILERS 1.2.40. Present condition of funnel(s) Efficient

Did the Surveyor examine the Safety Valves of the Main Boiler? yes To what pressure were they afterwards adjusted under steam? 220 lbs sq

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 all the manholes, doors and their fastenings of the Donkey 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 the drain plugs of the Donkey 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?  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 \_\_\_\_\_

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 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 Close fit

Is electric light and/or power fitted? yes

Engine parts, when referred to by numbers, should be counted from forward.

If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? no

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? no

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

Vessel placed in dry dock. Examination made of propellers, after end of stern bush and fastenings, BS. The 2 aft boilers examined internally and externally together with all mountings, doors, and fastenings.

Boilers examined under steam and safety valves adjusted. Oil fuel installation examined under working conditions. Fuel tank valves, deck control gear, and oil discharge pipes between pumps and furnaces examined and found in good condition.

Comp. MS. General service and boiler fuel pumps opened up and examined found in order. Selected main and auxiliary steam pipes (16) removed and tested. 2. Steam to header pipes (steel) renewed.

Steam fire extinguishing installation tried under working conditions found satisfactory.

General Observations, Opinion, and Recommendation:— The machinery of this vessel is (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, P.&M.S. 9.11, & L.M.C. 9.11, or L.M.C. 140 lb, F.D., &c.)

in my opinion eligible to remain as classed with fresh record of BS. 9. 39 and MS. 3. 40 as previously recommended. (Belfast Report No 12468)

Survey Fee (per Section 29) BS. £ 4:0:0 Fees applied for 14.3.40

Special Damage or Repair Fee (if any) (per Section 29) £ \_\_\_\_\_ Received by me, \_\_\_\_\_

Travelling expenses (if chargeable) £ \_\_\_\_\_

Committee's Minute TUE 3 APR 1940

Assigned Lmb 11. 38

BS 9. 39

CERTIFICATE WRITTEN

Signature: L. Shaw

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

W 30-0015

As a Certificate required? If so, to be sent to \_\_\_\_\_

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