

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.....19..... Port of

No. in Survey held at South Shields Date. First Survey Nov. 18 Last Survey July 24 1945

on the Machinery of the Wood, Iron or Steel S.S. RALOO

Gross 1260 Vessel built at Campbeltown By whom Campbeltown S.B. & L. When 1919-3
 Net 750 Engines made at Glasgow By whom Ross & Duncanson When 1919
 Nominal Horse Power 172 Boilers, when made (Main) 1919 (Donkey) —
 No. of Main Boilers 2 Owners Austin Friars & Co. Shipb'rs Ltd Owners' Address —
 No. of Donkey Boilers — Managers Galbraith & Pembroke & Co. Ltd Port Belfast Voyage —
 Steam Pressure — If Surveyed Afloat or in Dry Dock Both
 in Main Boilers 100 (State name of Dock.) Roed heads & Gunston
 in Donkey Boilers —

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.	Years assigned how expired.	Machinery and Boiler Surveys (including date of N.B., if any)
<u>+ 100 A1</u>	<u>12, 43</u>	<u>+ L.M.C. 3, 40</u>
<u>S.S. 512 N3-9, 31</u>	<u>—</u>	<u>B.S. 9, 44</u>
<u>S.S. 600 N2-40</u>	<u>—</u>	<u>T.S. 12, 43</u>
		<u>C.L.</u>
<u>cargo battens not fitted</u>		

ast Report No. — Port —
Particulars of Examination and Repairs (if any) Port + L.M.C. Exam'd

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.

1 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

Donkey Yes

If not, 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?

State latest date of internal examination of each boiler 25-6-45 Present condition of funnel New

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

Did the Surveyor examine the Safety Valves of the Donkey Boilers? 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? Yes

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

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

Has the screw shaft now been drawn and examined? No Has it a continuous liner? Yes Is an approved oil retaining appliance fitted at the after end? Yes

Has shaft now been changed? Yes If so, state reasons — Has the shaft now fitted been previously used? Yes Has it a continuous liner? Yes

Is an approved oil retaining appliance fitted at the after end? Yes State date of examination of Screw Shaft — State the wear down in the stern bush 1/32" Is electric light and/or power fitted? Yes If so, 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

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done. Crank, thrust tunnel shafting, air pump bucket chamber, feed bilge pumps, condenser pumping arrangements to be examined. Elect install - Dynamo engine to open up for exam. Propeller, sea connections & outside fastenings examined & found or placed in order. Cylinders, pistons, valves, air pump, air pump valves & chest, examined & found or placed in an efficient condition. Ballast independent feed pumps opened up, examined & placed in order. Boilers with their mountings & safety valves examined & placed in safe working condition. Safety valves adjusted under steam to the above pressure. Main steam pipes (4 lengths) removed, tested in accordance with rules & refitted. Steering engine windlass opened up & placed in good working condition.

A general examination made of the machinery all external parts seen, wear down of crank shaft in order, examined under steam found satisfactory.

Repairs. I.P. valve spindle machined new guide bases fitted. Independent feed pumps removed to shop, overhauled new water end fitted to aft pump. Relief valve on bilge air

General Observations, Opinion, and Recommendation: The machinery of this vessel is eligible in

My opinion to remain as classed to have records of B.S. 7, 45, Examined 7, 45 (12 months) + L.M.C. 7, 45 when the survey is complete.

Survey Fee (per Section 29) £ 13:0:0 Fees applied for 18 JUL 1945
 Special Survey Electric Light 3:0:0
 Special Damage or Repair Fee (if any) £ —
 Travelling expenses (if chargeable) £ —
 Received by me, J. H. Matthews, R.D. Dinan
 19 10 AUG 1945

Committee's Minute —
Assigned B.S. 7, 45



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

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

