

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

L.A No. 9620

(Received at London Office)

Date of writing Report: 1/3/1944 When handed in at Local Office: 2-3-1944 Port of: Lagos

Survey held at: Lagos Date, First Survey: 4 July, 1943 Last Survey: 29-2-1944 (No. of Visits)

on the Machinery of the ~~Wood~~ or Steel Screw Steamer "Empire Liddell" (ex "Emugu")

Gross 1425 Vessel built at Middlesborough By whom W. Harkess & Son Ltd Year 1920 Month

Net 784 Engines made at " By whom Richardson & Westgark When 1920

Boilers, when made (Main) 1920 (Donkey) -

Main Boilers 2 Owners: Ministry of War Transport Owners' Address: London

Donkey Boilers - Managers: Elder Dempster Lines, Ltd Port: London LAGOS Voyage: Coasting W. Africa

Pressure 180-lbs If Surveyed Afloat or in Dry Dock: Both (State Name of Dock.) Nigerian Marine No. 1

Particulars of Classification (which must be inserted precisely as in Register Book and Supplements).

Report No. _____ Port _____

Particulars of Examination and Repairs (if any) _____

Special Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the use 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 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.

Special 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.

Special damage report made by anyone else? If so, by whom? _____

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

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

Special survey was not done, state for what reasons? _____

CHARACTER for Special Survey Date of last Survey and of Periodical Surveys.	Years assigned now expired.	Machinery and Boiler Surveys (including date of N.B., if any)
Class Contemplating.		

What parts of the Boilers could not be thus thoroughly examined? Surfaces under lagging

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: 14th January, 1944

Surveyor examine the Safety Valves of the Main Boiler? **Yes** Present condition of funnel(s) **Good**

Surveyor examine the Safety Valves of Donkey Boiler? **-** To what pressure were they afterwards adjusted under steam? 180-lbs

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

Surveyor examine the drain plugs of the Main Boilers? **Not fitted** and of the Donkey Boilers? **-**

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

How 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? **Yes**

Shaft now been changed? **No** If so, state reasons _____

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

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 6/1000"

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

Did the Surveyor examine the generators, motors, switchgear, cables and fuses? **Yes** Is electric light and/or power fitted? **Light**

Insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? **Yes-Vessel rewired from Switch-board**

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

Remarks: Screw Shaft would not draw in, it appears that the After Bush which is white metal lined previously been fitted too neatly that it had become overheated and that the white metal has adhered itself to some irregularity of the brass Liner, owing to a very limited time allowed in Dry Dock no examination could be made of the Liner, the Taper End of the Shaft and the key were examined and found good. It is recommended that the Shaft be withdrawn in 12 months time when a longer shaft in Dry dock could well be anticipated. The Shaft turns freely in the Bush and the lubricating arrangement has been thoroughly overhauled.

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, etc.; thus, for example, B.S. 9,11, B.&M.S. 9,11, L.M.C. 9,11, or L.M.C. 140 lb., F.D., etc.)

Repairs recommended have been satisfactorily carried out and I am of the opinion that the machinery and Boilers of this Vessel are in good condition but would recommend that they be re-examined at the end of 12 months.

Fee (per Section 29) £ : :

Damage or Repair Fee (if any) (per Section 29.) £ 20 0: 0

Expenses (if chargeable) £

Surveyor's Minute: FRI. 14 APR 1944

Examined 2.44

M.S. 2.44

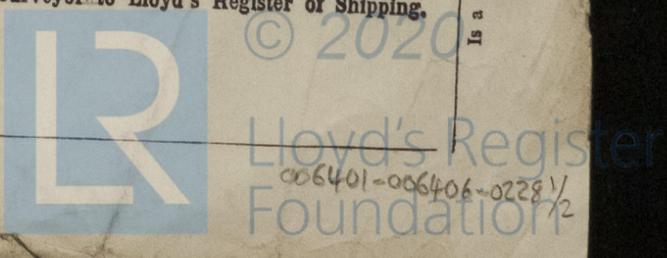
A.S. 2.44

Fees applied for 19

Received by me, 19

H.W. Harper appointed Engineer Surveyor to Lloyd's Register of Shipping.

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



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

ENGINES AND BOILERS.

Recommended:- All plain tubes of Port Boiler be withdrawn, the tube plate where pitted be built up by Electric welding and new plain tubes be fitted new valve seats be fitted to the Main and auxiliary Stop Valves of Port and Starbd Boilers.

New Studs be fitted to all manhole doors.

All tubes in Main and auxiliary Condensers to be removed, Condensers cleaned internally, tubes replaced and repacked, all defective tubes and ferrules to be replaced by new, Condensers to be tested.

The above recommendations have been carried through to my satisfaction.

All recommendations in Report dated 15th November, 1943 have been carried through to my satisfaction.

H.W. Hooper

SURVEYOR APPOINTED TO LLOYD'S OF SHIPPING.



© 2020

Lloyd's Register
Foundation

0228 2/2

MS & Shield (see also Rept dated 15/1/43)

Some Boiler & Condenser
tubes examined. See capls. examined

An unsuccessful attempt was
made to draw the screw
shaft. There is evidently
some obstruction in the stem
tube but it does not
interfere with the free
revolution of the
shaft.

Examined 244

MS 244

Q 244

For M. Se shaft cone

examined
The Surveyor should
state the date when
the shaft cone
was examined

MSA
6/1/44

