

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

(Received at London Office

23 SEP 1941

Date of writing Report Sept. 19 41 When handed in at Local Office Sept 19 41 Port of Middlesbrough  
 No. in Reg. Book. 23185 Survey held at Middlesbrough Date, First Survey 21<sup>st</sup> Aug. Last Survey 5<sup>th</sup> Sept 1941  
 on the Machinery of the Wood, Iron or Steel S.S. EMPIRE ENERGY (No. of Visits Seven)  
 Tonnage { Gross 6589 Vessel built at Rostock By whom Akt Geo "Neptun" When 1923-7  
 Net 3954 Engines made at Rostock By whom - do - When 1923  
 Nominal Horse Power 720 Boilers, when made (Main) 1923 (Donkey) ✓  
 No. of Main Boilers 3 Owners Ministry of War Transport Owners' Address (if not already recorded in Appendix to Register Book.)  
 No. of Donkey Boilers ✓ Managers E.R. Management Co Ltd. Port London Voyage ✓  
 Steam Pressure in Main Boilers 214 If Surveyed Afloat or in Dry Dock LNER Dk.  
 in Donkey Boilers ✓ (State name of Dock.) Afloat.

Last Report No. PortParticulars of Examination and Repairs (if any) Gen Exam - Repair

(Periodical Surveys, when held, must be reported in detail and serially 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 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 or 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? No

Do. " Donkey " " " " ✓

If this was not done, state for what reasons? Not due for survey.

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 those parts of each Boiler? ✓

Did the Surveyor examine the Safety Valves of the Main Boilers? Yes. To what pressure were they afterwards adjusted under steam? 214 lb/sq. in.

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 Boiler? ✓

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

Has screw shaft now been drawn and examined? ✓ 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 the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft ✓

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done. Survey Complete. Nothing

furth done for Re-classification Survey, not stated when this could be completed

Now done:- Main and Auxiliary machinery examined externally.

Centre and Starboard boiler safety valves opened up and examined.

The Chief Engineer stated that no parts had been recently opened up and that the machinery was satisfactory

Main and Aux machinery examined under working conditions.

All Safety valves adjusted under steam as above.

Repairs. Worn and tear:- Centre boiler safety valves, Starboard valve, and Starboard Boiler safety valve, Forward valve found cracked and now renewed,

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, B.S. 9,11, B.A.M.S. 9,11, or S.L.M.C. 9,11, 140 lb., F.D., &c.)

as far as now seen is in good condition, and eligible in my opinion to have the record Examined 9-41. M.D. for a period of twelve months

Survey Fee (per Section 29) See list £ ✓

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

Travelling expenses (if chargeable) £ ✓

Fees applied for

19

Received by me,

19

Committee's Minute

Assigned No action

TUE. 7 OCT 1941

F. H. Sutcliffe

Engineer Surveyor to Lloyd's Register of Shipping.

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Lloyd's Register

W32-0060



Survey part sent for Nelson's question Not  
Advanced

Machin's Generally Examined

It is submitted that this  
vessel WILL BE eligible  
for the record.

+ Line as 750  
on completion.

Examined 9.41 for 12 runs

Thus  
4.10.41

N.B.—If this Report is copied by copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.



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