

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

(Received at London Office 8 NOV 1944)

Date of writing Report 31st October, 1944, When handed in at Local Office 2nd Nov. 1944, Port of MIDDLESBROUGH.

No. in Survey held at MIDDLESBROUGH. Date. First Survey 19th Oct. Last Survey 30th Oct. 19 44.
(No. of Visits 4.)

89356 on the Machinery of the Wood, Iron or Steel s.s. "EMPIRE PROTECTOR".

Tonnage { Gross 8128 Vessel built at Haverton Hill-on- By whom Furness S.B. Co. Ltd. When 1944 -
 Net 4597 Engines made at Hartlepool By whom Richardsons, Westgarth When 1944 -
 Nominal Horse Power - Boilers, when made (Main) - (Donkey) -
 No. of Main Boilers Owners Ministry of War Transport. Owners' Address -
 No. of Donkey Boilers Managers Anglo-Saxon Petroleum Co. Ltd. (if not already recorded in Appendix to Register Book.)
 Steam Pressure in Main Boilers Anglo-Saxon Petroleum Co. Ltd. Port Middlesbrough. Voyage
 in Donkey Boilers If Surveyed Afloat or in Dry Dock Smith's Dry Dock. (State name of Dock.)

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 now expired.	Machinery and Boiler Surveys (Including date of N.B., if any)
<u>100 A1</u> <u>(Class Contemplated)</u>		

Last Report No. _____ Port _____
Particulars of Examination and Repairs (if any) Docking and completion of Specification.

(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 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? No

" " Donkey " " " " No

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 _____ Present condition of funnel(s) _____

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

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

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

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

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 oil retaining appliance fitted at the after end? No State date of examination of Screw Shaft _____ State the wear down in the stern bush good fit. Is electric light and/or power fitted? _____ If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? _____

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? _____

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

Now Done:-

Vessel placed in dry dock, propeller and outside fastenings of sea connections examined.

Full power ahead and astern trials carried out off Tees, Bay, and remainder of emergency gear tested and found satisfactory.

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, &c.; thus, for example, BS 9,11, B&MS 9,11 *LMC 9,11 or *LMC 140 lb., FD, &c.)
CS 3,34.

The machinery of this vessel as far as seen is in good order and eligible in my opinion to remain as classed without fresh record of Survey.

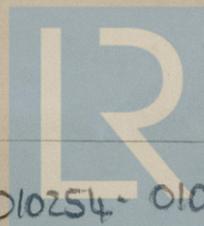
Survey Fee (per Section 29) £ : : Fees applied for _____
 Special Damage or Repair Fee (if any) £ : : _____
 (per Section 29.) LICENCE CASE Received by me, _____
 Travelling expenses (if chargeable) £ : : _____

FRI. 17 NOV 1944

S. Norman Stuart
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute _____

Assigned see minute on 30 Rpt



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Lloyd's Register

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

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