

(Received at London Office

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.  
~~722~~ *Book.* *(No. of Visits)* 4.

89356 on the Machinery of the ~~Woody Fanny~~ s.s. "EMPIRE PROTECTOR".

Tonnage { Gross	8128	Vessel built at	Haverton Hill-on-Furness S.B. Co.Ltd.	When	1944
Net	4597	Engines made at	Hartpool	By whom	Richardsons, Westgarth
Nominal	-	Boilers, when made (Main)	-	(Donkey)	-
Horse Power	-	Owners	Ministry of War Transport.	Owners' Address	-
No. of Main Boilers	-	Managers	Anglo-Saxon Petroleum Co.Ltd.	Port	Middlebrough.
No. of Donkey Boilers	-	If Surveyed Afloat or in Dry Dock	Smith's Dry Dock.	Particulars of Classification	which must be inserted
Steam Pressure—	-	(State name of Dock.)		precisely as in Register Book & Supplements).	
in Main Boilers	-				
in Donkey Boilers	-				

*Last Report No.*.....*Port*

Particulars of Examination and Repairs (if any)	Docking and completion of Specification.
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(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?.....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.

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?

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

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&MC 9.11 ✕LMC 9.11 or ✕LMS 140 lb., FD, &c.)

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 .....19.....
Special Damage or Repair Fee (if any) (per Section 29.)	£	:	:	
<b>LICENCE CASE</b>				
Travelling expenses (if chargeable).....	£	:	:	} Received by me, .....19.....

Committee's Minute .....

Assigned See memo

Engineer Surveyor to Lloyd's Register of Shipping.

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Lloyd's Register

010254-010262-0238

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

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