

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

(Received at London Office)

19 FEB 1942

Date of writing Report 18<sup>th</sup> Feb. 1942 When handed in at Local Office 18<sup>th</sup> Feb. 1942 Port of **CARDIFF**

No. in Reg. Book. **30132** Survey held at **Cardiff** Date First Survey 8<sup>th</sup> Sept Last Survey 14<sup>th</sup> Feb. 1942 (No. of Visits **29**)

Tonnage } Gross **7468** Vessel built at **Newcastle** By whom **Palmer's Co Ltd** When **1927-8**  
Net **4328** Engines made at **- DO -** By whom **N.E. Marine Eng Co Ltd** When **1927**

Nominal Horse Power **602** Boilers, when made (Main)  (Donkey)  1927  
No. of Main Boilers  Owners **Anglo-Saxon Petroleum Co Ltd** Owners' Address **London** Voyage **London**

No. of Donkey Boilers **2** Managers **9** If Surveyed Afloat or in Dry Dock **Coast Dock Mountstuart Dry Dock** Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Last Report No. **Port** Particulars of Examination and Repairs (if any) **Repairs, DPSSCS**

(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?   
" " Donkey " " " " **yes**

If this was not done, state for what reasons

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?

State latest date of internal examination of each boiler **P 12-12-41. S 20-1-42.** Present condition of funnel(s) **good**

Did the Surveyor examine the Safety Valves of the Main Boiler?  To what pressure were they afterwards adjusted under steam?   
Did the Surveyor examine the Safety Valves of Donkey Boiler? **yes** To what pressure were they afterwards adjusted under steam? **18 lbs**

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** 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  Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

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 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 **48"**

Engine parts, when referred to by numbers, should be counted from forward. Is electric light and power fitted **yes**

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 **Continuous Survey**

Now done:- Vessel placed in dry dock, propeller, stern bush and sea connection fastenings examined

Main engine crank shaft lifted, main bearing bedplate pockets machined, lower half main bearing shells renewed, Crank shaft bedded, and aligned from propeller shaft on completion of repairs main engine tried under full power with satisfactory results.

Part. C.S.:- Examined Nos 1-3-4-6 main engine cylinders, pistons, rods, liners, cross valves all main bearing journals, top & bottom ends & pins connecting rods, thrust re-terminators shaft bearings, main engine compressors cylinders, pistons, rods, valves, crank shaft bearings, top & bottom ends & pins, 90° & Centre dynamo engines complete steam dynamo complete

General Observations, Opinion, and Recommendation:- The Machinery of this vessel is eligible in my opinion to remain as classed and have record of + L.M.C. (with date) when the Survey is completed, and D.P.S. 2-42.

Survey Fee (per Section 20) **B.S. £ 3 : 0 : 0** Fees applied for 18 Feb. 1942  
Special Repair Fee (if any) **AS £ 15 : 15 : 0** Received by me, **Hauish W & Paton**  
Travelling expenses (if chargeable) **£ 28** 19

Committee's Minute **LICENCE CASE**  
Assigned **+ L.M.C. 2.42**  
**DP 2.42**

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

Oil Engines  
Continuous Survey

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



M. V. Patetta

Throughout dynamo engine complete. Steam driven air compressor (compressor only). Condenser tested. Boiler feed pumps. Stand-by lubricating oil pump. Fuel oil transfer pumps. Condensate pump. Stand aboard & outboard starting air reservoirs. For'd main engine blast bottle.

Boiler feed & stand-by lubricating oil pumps renewed. All pipes and connections tested as required by rules. Donkey boilers examined internally & externally with their safety valves doors & mountings.

Safety valves adjusted under steam to 180 lbs/sq".

Furnaces of both boilers built up on crowns by electric welding.

Alfred Paton

Work completed.

D.S. held.

Bottom main bearings renewed  
Shapling lined up.  
Pumps renewed.

It is submitted that  
this vessel is eligible for  
THE RECORD.

March 24/22

March 24/22

Sheep's Head

W.A.

26/3/22



© 2019

Lloyd's Register  
Foundation