

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

(Received at London Office, 7 AUG 1941)

Date of writing Report 19 When handed in at Local Office 2/8/41 Port of NEWCASTLE-ON-TYNE

No. in Reg. Book. Survey held at NORTH SHIELDS Date, First Survey 23 Apr 1941 Last Survey 21 July 1941 (No. of Visits 22)

73164. on the Machinery of the ~~Wood, Iron or Steel~~ TANKER M/V DIALA

Tonnage Gross 8106 Vessel built at VEGESACK By whom BREMER VULKAN When 1938. 11.  
Net 4781 Engines made at VEGESACK By whom BREMER VULKAN When 1938.

Nominal Horse Power 502 Boilers, when made (Main) (Donkey) 1938.

No. of Main Boilers 2 Owners ANGLO-SAXON PETROLEUM CO. LD. Owners' Address (If not already recorded in Appendix to Register Book.)  
No. of Donkey Boilers 1.5.8. Managers Port LONDON Voyage

Steam Pressure in Main Boilers N Surveyed Afloat & in Dry Dock SMITHS. D.D. Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

in Donkey Boilers 180 LBS.

Last Report No. Port

Particulars of Examination and Repairs (if any) LOCKING DAMAGE TS.

(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 YES. NOT REQUIRED.

Was a damage report made by anyone else? If so, by whom? YES. UNDERWRITERS.

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

" " Donkey " " " NO.

If this was not done, state for what reasons? D.S.S. NOT DUE.

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

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?

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 screw shaft now been drawn and examined? YES. Is it fitted with continuous liner? YES. Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? NO.

Has shaft now been changed? NO. 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 date of examination of Screw Shaft 8.7.41. State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft 1/16".

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

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? YES.

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

On account of damage stated to have been caused through enemy action (torpeds) on the 26<sup>th</sup> February 1941.

Forward main pump room damaged on port side.

Vessel placed in dry dock, propeller, outer end of stern bush, all sea connections and their outside fastenings opened up examined and found in good condition.

Screw shaft (S) drawn in, examined, and found in good condition.

DAMAGE REPAIRS: Forward main pump room port sea injection valve & shell connecting piece removed, examined under water pressure 50 lbs/sq. in. found tight & sound. Starboard valve & connecting piece also tested found tight & sound. Two cargo pumps & one stripping pump removed & were completely overhauled & adjusted, one cargo pump repaired, east iron distance piece renewed. All cargo pipe lines, steam & exhaust pipes & fittings in way of damage removed. Cargo lines tested 100 lbs/sq. in. found tight.

Main engine bedplate, all castings and sea connections examined for fractures, all holding down bolts tested & hardened up as found necessary. Main engines and auxiliaries examined under working conditions and found satisfactory.

General Observations, Opinion, and Recommendation: The machinery of this vessel so far as

(State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery, boilers, working pressures, &c.; thus, for example, B.S. 9, 11, B.S.M.S. 9, 11, & L.M.C. 9, 11, or any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.)

L.M.C. 140 lb., P.D., &c.)

CS 3, 34.

seen is eligible in my opinion to remain as classed in the Register Book with fresh record of survey screw shaft (S) seen 7.41 and L.M.C. CS WITH DATE when the survey is completed.

Survey Fee (per Section 29) £10.10/-  
Elec. Install. £3.0.0  
Special Damage or Repair Fee (if any) £5.5.0  
Estimated fee £5.5.0  
Travelling expenses (if chargeable) £  
15% LICENCE REPAIR N° 2719. - Form R.H.1 follows  
Committee's Minute FRI. 29 AUG 1941  
Assigned AS NOW

Fees applied for

Received by me,

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

Lloyd's Register  
Foundation

WH 68-0008