

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

(Received at London Office)

NOV -7 1940

LIVERPOOL

Date of writing Report 28-10-40 When handed in at Local Office 30 OCT 1940 Port of LIVERPOOL
 No. in Reg. Book 71288 Survey held at Berkenhead Date, First Survey 16/10/40 Last Survey 26/10/1940 (No. of Visits 8)
 on the Machinery of the ~~Wood, Iron or Steel~~ M.V. BRITISH SCIENCE Year. Month. 1931-1
 Tonnage } Gross 7138 Vessel built at Lewcastle By whom Palmer's Co Ltd When 1931
 Net 442 Engines made at Old By whom W Dorford & Sons When 1931
 Nominal Horse Power 684 Boilers, when made (Main) Oil Engine (Donkey) 1931
 No. of Main Boilers 1 Owners British Tanker Co Ltd Owners' Address (if not already recorded in Appendix to Register Book.)
 No. of Donkey Boilers 2 Managers British Tanker Co Ltd Port London Voyage
 Steam Pressure in Main Boilers ✓ If Surveyed Afloat or in Dry Dock Barnell Laird (State name of Dock.)
 in Donkey Boilers 150 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 since last survey.	Machinery and Boiler Surveys (including date of N.B., if any).
+100A1 Gal Examined 4.40		+LMC 4.35 DBS 10.39 TS(CL) 4.40
SSSLD No 1 - 35:		
<i>Barrying petroleum in hull. Oil Engine.</i>		

Last Report No. _____ Port _____
 Particulars of Examination and Repairs (if any) DBS + BS
 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? ✓

Did the Surveyor personally go inside each Donkey Boiler separately and make a thorough examination at this time? 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 PDB 12-10-40. SDB 24-10-4. 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? 150 lbs/sq"

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? ✓ and of the Donkey Boilers? yes

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

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. ✓ 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 Vessel Afloat

Is electric light and/or power fitted? ✓

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? ✓

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

the continuous survey will be advanced at the first available opportunity.

How Done:- Examined the donkey boilers throughout with their mountings doors + fastenings + found in good condition. The boilers subsequently examined under steam + safety valves adjusted to pressures as above. The oil fuel installation valves pipes + control gear examined under running condition + found satisfactory.

CS:- The following machinery opened up found or placed in good condition:- Examined the main engine nos 2+3+4, liners, upper + lower pistons, beams + bottle guides + piston rods, valve + valve gear.

Repairs (W + S):- nos 2+3 engine liners worn, now renewed, spare reconditioned transverse beam fitted to 4 engine, no 3 after piston ring grooves broken, piston 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, boilers, working pressures, &c.; thus, for example, B.S. 9, 11, B.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.)

as far as seen is in a good + efficient condition + eligible in our opinion to remain

at classes with fresh record of DBS 10-40 + +LMC(CS) with date on completion

of the survey.

Survey Fee (per Section 29) DBS £ 3 : 0 : 0. Fees applied for 4 NOV 1940

Special Damage or Repair Fee (if any) (per Section 29.) £ : : Received by me, 5 NOV 1940

Travelling expenses (if chargeable) £ : : 5 NOV 1940

Committee's Minute Assigned Deferred D.B.S. 10.40. DBS

H. Hindley & H. Gaylor
 Engineer Surveyor to Lloyd's Register of Shipping.
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 WL-0014

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

A Certificate required if so, to be sent to

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Vogel's

1822.10.40
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Noted

15/11/40

Handwritten notes in cursive script, including the word "Noted" and various illegible entries.

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