Rpt. 9.

No. 109015

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

(Received at London Office 28 AUG 1940)

RETAIN

Date of writing Report Aug 26th 1940 When handed in at Local Office Aug 26th 1940 Port of LONDON

No. in Reg. Book. 69850 Survey held at LONDON Date, First Survey Aug 13TH Last Survey Aug 14th 1940 (No. of Visits 2)

on the Machinery of the ~~Wood, Iron or~~ Steel M.V. "ARABY"

Tonnage { Gross 4936 / Net 2944 } Vessel built at Dumbarton By whom A. McMillan & Son Ltd When Year 1923 Month 3

Nominal Horse Power 489 Engines made at Glasgow By whom Harland & Wolff Ltd. When 1923

No. of Main Boilers ✓ Boilers, when made (Main) ✓ (Donkey) 1923

No. of Donkey Boilers 1 Owners Royal Mail Lines Ltd. Owners' Address ✓ (if not already recorded in Appendix to Register Book.)

Steam Pressure— in Main Boilers ✓ Managers ✓ Port Liverpool Voyage ✓

in Donkey Boilers 100 ✓ If Surveyed Afloat ~~or in Dry Dock~~ Victoria Dk. (State name of Dock.)

Last Report No. _____ Port _____

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).
+100A1 Shelter Dk with freeboard. 2,39		+LMC CS10,35 6,37
S.S. Tons to 3-1,36		OBS 5,40
		CL 4,40
burning vegetable oil in deep tanks.		

Particulars of Examination and Repairs (if any) CS.

(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? ✓

" " Donkey " " " ✓

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 ✓ 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? ✓ 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 ✓

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 vitæ or bearing metal of stern bush and top of after bearing of screw shaft ✓

Engine parts, when referred to by numbers, should be counted from forward. 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 To complete see Form 7E.

Now done:- Examined nos 3 & 6 cylinders liners, covers & valves, pistons crosses, crosshead pins & brasses, crankpins & brasses; Port after generator engine & compressor in its entirety; Port after generator engine starting air and blast bottles internally externally and independent piston cooling water pump in its entirety, all opened out & found or placed in good condition

Repairs due to wear & tear:- no 3 cylinder cover renewed owing to well crack between fuel & exhaust valve pockets, piston grooves machined & average rings fitted; 2 top halves of nos 3 & 6 top end brasses remetalled and a number of bearings remetalled on Port after gen. engine.

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 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, B.S. 9,11, B.&M.S. 9,11, ✠ L.M.C. 9,11, or ✠LMC 140 lb., F.D., &c.) CS 3,34,

so far as now seen is in good condition and eligible in my opinion to remain as now classed with fresh record of +LMC CS (with date) when survey is completed.

Survey Fee (per Section 29) £ : :

Special Damage or Repair Fee (if any) (per Section 20.) £ :

Travelling expenses (if chargeable) £ : :

Fees applied for _____ 19__

Received by me, _____ 19__

F. E. Turpie

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 10 SEP 1940

Assigned Deferred

The Surveyors are requested not to write on or below the space for Committee's Minute.)

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

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

OIL ENGINE CONTINUOUS SURVEY

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