

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

Date of writing Report 6th. Sept. 1949 When handed in at Local Office Sept. 1949 Port of CARDIFF
 No. in Reg. Book 05729 Survey held at CARDIFF Date. First Survey 15 June Last Survey 24 Aug. 1949
 on the Machinery of the Wooden-hull Steel M.V. "CLAM" (No. of Visits 23)

Gross Tonnage 7404 Vessel built at Amsterdam By whom Nederl. Schips. Maats. Year. Month. 1927 3
 Net Tonnage 4283 Engines made at Newcastle By whom Hawthorn Leslie & Co. Ltd. When 1947 10
 Nominal Horse Power 669 MW Boilers, when made (Main) (Donkey) 1927
 No. of Main Boilers - Owners Anglo-Saxon Petroleum Co. Ltd. Owners' Address -
 No. of Donkey Boilers 2 Managers - (If not already recorded in Appendix to Register Book)
 Steam Pressure in Main Boilers - Port London Voyage -
 in Donkey Boilers 180lbs. If Surveyed Afloat & in Dry Dock Mount Stuart Dry Dock & Roath 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) Part C.S. & Alterations.

(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 " " " Yes
 If not, state for what reasons - What parts of the Boilers could not be thus thoroughly examined? -

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		*LMC 10,47
9,48		*NE 10,47
ssShl.-10,47		DBS 10,48
		TS(CL)N 6,47
		Oil Engine.
SEE SPL. NOTE S.R.L. (MCHV.) Carrying Petroleum in bulk.		

State latest date of internal examination of each boiler P. 15-6-49. S. 15-7-49 Present condition of funnel(s) Efficient
 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? yes To what pressure were they afterwards adjusted under steam? 150lbs.
 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 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? yes
 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? - State date of examination of Screw Shaft - State the wear down in the stern bush 1/8" 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 Continuous Survey

Now Done:- Vessel placed in dry dock, propeller, stern bush and sea connection fastenings examined. Examined Sea cocks and valves, Nos. 1 & 8 Main engine cylinders, pistons and rods, liners connecting rods, Top and bottom end pins and bushes, Nos. 5, 6 & 10 main bearings and journals. Thrust shaft and pads, Intermediate shaft and bearing, Steam driven compressor and engine Coolers tested. Forward and centre diesel generator engines (except cylinders and pistons) generators cleaned, and megger tested, Stand-by jacket cooling water pump, General Service pump, outboard boiler feed pump, piston cooling water cooler tested. Donkey boilers examined internally and externally with their mountings, safety valves, manhole doors and fastenings. Safety valves adjusted under steam to the pressure stated above. Oil fuel installation examined, Steam smothering arrangements tested.
Repairs:- Forward and centre generators. Armature shafts and bearings renewed. Engine main bearings renewed and shaft realigned, generators examined and megger tested. Dynamos tried under load and found satisfactory. P.T.O.

General Observations, Opinion, and Recommendation:— The Machinery of this vessel is eligible in our opinion to remain as classed and to have record of *LMC CS with date when the survey is completed, record of D.B.S. 7-49. Subject to Port and Starboard injection boxes in pump room being renewed at next dry docking.
 (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, ES 9,11, B&MS 9,11 *LMC 9,11 or *LMC 140 lb., FD, &c.)

Survey Fee (per Section 29) C.S. Fee £24 : - : - Fees applied for 4 Sept 1949
 D.B.S. 6 0 0
 Special ~~xxxxxx~~ Repair Fee (if any) £ 5 : 5 : 0
 Alterations (per Section 29.) 10 10 0
 Travelling expenses (if chargeable) £ : : 0
 Received by me, 19

Harold W. G. Paton
 Engineer Surveyor to Lloyd's Register of Shipping.

LICENCE CASE
 Committee's Minute 28 OCT 1949
 Assigned As now subject 8/31.8.49



