

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

(Received at London Office _____)

Date of writing Report... 12-6-1945 When handed in at Local Office... 12-6-1945 Port of Antwerp

No. in Reg. Book. 71639 Survey held at Antwerp Date. First Survey 13/3/45 Last Survey 3/5/45 (No. of Visits 6)

on the Machinery of the Wood, Iron or Steel *Le CASSARD*
Tonnage { Gross 1602 Vessel built at Grangemouth By whom Grangemouth Drydock Co Ltd When 1920 2
Net 966 Engines made at Glasgow By whom Ross & Duncanson When 1920
Nominal 192 Boilers, when made (Main) 1920 (Donkey) -
Horse Power 2 Owners Ministry of War Transport Owners' Address
No. of Main Boilers 2 Managers Harris Bros & Co Ltd (if not already provided in Appendix to Register Book.)
No. of Donkey Boilers - Port Plymouth Voyage
Steam Pressure in Main Boilers 180
in Donkey Boilers - N. Surveyed Afloat or in Dry Dock No 5 Dry Dock No 16 berth
Particulars of Classification which must be inserted precisely as in Register Book & Supplements.

Last Report No. _____ Port _____

Particulars of Examination and Repairs (if any) *B.S. Gen Ex. T.S.*

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? *Yes*

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

If not, state for what reasons. What parts of the Boilers could not be thus thoroughly examined?

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. *SA 16/3/45 P 28/3/45*

Did the Surveyor examine the Safety Valves of the Main Boilers? *Yes* To what pressure were they afterwards adjusted under steam? *180 lbs per sq"*

Did the Surveyor examine the Safety Valves of the Donkey Boilers? To what pressure were they afterwards adjusted under steam?

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

Has the screw shaft now been drawn and examined? *Yes* Has it a continuous liner? *Yes* Is an approved oil retaining appliance fitted at the after end? *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 oil retaining appliance fitted at the after end? State date of examination of Screw Shaft. *5-4-45* State the wear down in the stern bush. *1/8"* Is electric light and/or power fitted? *Yes* If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? *Generally*

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? *No*

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

Not done:- Both Main Boilers and their mountings examined internally and externally. 6 tubes renewed. Pot boiler main check valve and internal feed pipe removed, boiler end plate electrically welded where wasted and check valve + internal feed pipe refitted. Boilers examined under steam and Safety valves adjusted as above. Ballast Pump opened up & examined. Piston rods skimmed and new neck + gland bushes fitted, water end liners skimmed out and new buckets fitted. General Service pumps opened up & examined, cylinders bored out and new pistons + rings fitted. Slide valve face machined and a false face fitted. Water end liners renewed, buckets machined to fit. Intermediate Stop valve seat and throttle valve seat renewed. Sea connections examined. Main Engines examined in closed condition, Chief Engineer states that they are working satisfactorily. Vessel placed in dry dock. Propeller and outside fastenings examined. Screw shaft (Ch) drawn for access to stem frame repairs, examined and found in order. Electrical installation generally examined and tried under working conditions is satisfactory. New funnel has been fitted at this time.

General Observations, Opinion, and Recommendation: *The Machinery of this Vessel so far as now seen is in safe working condition and eligible in our opinion to remain as now classed with fresh record of survey B.S. 5-45 and rotation of screw shaft seen Ch 4-45 and Examined 5-45 (for 12 months)*

(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, BS 9,11, B&MS 9,11 or LMC 9,11 or LMC 140 lb., FD, &c.)

Survey Fee (per Section 29) *B.S. (£10.10) 7.1855*
T.S. (£4) 7.705
Special Damage or Repair Fee (if any) (per Section 29.) *(£5) 7.885*

Fees applied for in this office 12-6-1945
Received by me, _____

H.C. Murray & *John Mulloy*
Engineer Surveyor to Lloyd's Register of Shipping.

TUES, 7 AUG 1945

Committee's Minute _____
Assigned _____



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

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

^{held}
BS due 4.45 7 screw shaft
shaft examined
G. Examination held

It is submitted that this
vessel is eligible for THE
RECORD. BS 5.45
S 4.45
Examined 5.45

well
23/7/45

MS ptyka.



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