

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

(Received at London Office 13 MAY 1942)

Date of writing Report 5.5.42.

When handed in at Local Office 5.5.42.

Port of GREENOCK.

No. in Reg. Book. Survey held at GREENOCK.

Date First Survey 18<sup>th</sup> MARCH. Last Survey 2<sup>nd</sup> MAY 1942.

8846 on the Machinery of the ~~Wood, Iron~~ Steel Sc: "MONTENOL"

(No. of Visits 9)

Gross Tonnage 2646.  
Net Tonnage 1061.

Vessel built at W. HARTLEPOOL.

By whom W. GRAY & CO. LTD.

Year. Month. 1917 - 11.

Nominal Horse Power 545

Engines made at W. HARTLEPOOL.

By whom CEN. MAR. ENG. WORKS.

When 1917.

No. of Main Boilers 3.58. FD

Boilers, when made (Main) 1917.

(Donkey) -

No. of Donkey Boilers -

Owners THE ADMIRALTY.

Owners' Address

(if not already recorded in Appendix to Register Book.)

Port LONDON.

Voyage

Working Pressure Main Boilers 200 lbs

Managers

If Surveyed Afloat or in Dry Dock

(State name of Dock.)

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

| CHARACTER<br>* for Special Survey<br>Date of last Survey and of<br>Periodical Surveys. | Years<br>assigned<br>how<br>required. | Machinery and Boiler<br>Surveys<br>(including date of N.B., if any). |
|--|---------------------------------------|--|
| *100 A. 1.   |                                       | *LMC. 12.38.   |
| 7.41.  |                                       | BS. 7.41.  |
| BS. MLT. No 3 - 5, 30.   |                                       | CL. 4.40.  |
| BS. SLT. No 2 - 38.  |                                       |  |
| FOR GOVERNMENT SERVICE.  |                                       |  |
| CARRYING PETROLEUM IN BULK.  |                                       |  |
| FITTED FOR OIL FUEL 11.17. F.P. ABOVE 150°F.   |                                       |  |

Previous Report No. Port BS-5.42 & COMMENCEMENT, MS.

Particulars of Examination and Repairs (if any) COMMENCEMENT, MS.

Medical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly 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 the names and initials of any letters respecting this case.

Where 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.

Has 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 go inside each Donkey Boiler separately and make a thorough examination at this time? YES.

Where was not done, 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?

What is the latest date of internal examination of each boiler? P&S.B. 18.3.42, F.P. 4.4.42.

Did the Surveyor examine the Safety Valves of the Main Boilers? YES.

Did the Surveyor examine the Safety Valves of Donkey Boiler? YES.

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? YES.

Did the Surveyor examine the drain plugs of the Main Boilers? YES.

Did the Surveyor examine all the mountings of the Main Boilers? YES.

Has the screw shaft now been drawn and examined? NO.

Has the shaft now been changed? If so, state reasons.

Has the shaft now fitted been previously used? YES.

What is the 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.

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

Did the Surveyor examine the generators, motors, switchgear, cables and fuses? YES.

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? YES.

Where the survey is not complete, state what arrangements have been made for its completion and what remains to be done.

Survey DONE: - The port, starboard & forward boilers completely examined internally & externally, together with safety valves, mountings, drain valves, manhole doors, seatings, collision checks & funnel. Condition satisfactory throughout. The safety valves of all boilers adjusted under steam to W.P. of 200 lbs & found efficient.

REPAIRS: - 2 Defective smoke tubes renewed & a number of tube ends re-expanded. Back end plate seams & Centre Circumferential seams of P&S. boilers recaulked as required. S.B. front-end plate seams under furnace mouths electrically welded where leaking. Bottom Centre Circumferential seam of forward boiler recaulked as required. Sundry minor repairs to safety valves & mountings carried out.

Oil burning installation examined under working conditions & fuel shut off.

General Observations, Opinion, and Recommendation: -

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, \*LMC. 9.11, or BS. 3.34, 140 lb., F.D., &c.)

The boilers of this vessel, & the machinery as far as now seen, are eligible in my opinion to remain as classed with fresh record of BS.5.42, & to have the notation \*LMC with date when the machinery survey has been completed. Eligible in my opinion for notation of Examined 4.42, twelve months.

Survey Fee (per Section 29) BS.4.42. £ 4.0.0.

Special Damage or Repair Fee (if any) (per Section 29.) £

Printing expenses (if chargeable) £

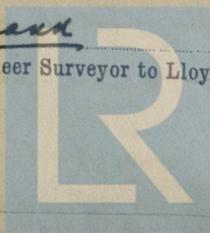
Fees applied for 9<sup>th</sup> MAY 1942. Received by me, 19.

Signature of Surveyor

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 12 MAY 1942

Signed 12.5.42



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Lloyd's Register Foundation

W198-0185

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

- STEEL SEC: "MONTENOL" -

valve deck Controls examined & tried, & found satisfactory.  
Vessel surveyed in dry dock. Propeller, stern bush & their fastenings examined in place as far as practicable & found satisfactory.

Sea Connections. Main injection, tank injection, evaporator & distiller sea connections opened out, examined with fastenings & refitted in efficient condition. Other sea connection fastenings examined as far as practicable & found in good order.

Machinery (M2.) No 2 Main bearing & crank journal examined & found satisfactory. Main Condenser opened, examined, tubes cleared by means of rod, stay nuts rejointed, tested to required water pressure & found satisfactory.

NOTE:- No 1-3-4-5 & 6 Main bearings & the HP-MP & LP bottom end bearings have been opened out by the Ship's Engineers for dressing up oil ways & adjustment, but no opportunity was given for examination. The Engineers reports that the bearings, journals & pins were found in satisfactory condition.

Ballast Pump. A hole in Combined suction valve chest at bottom has been repaired by fitting bolt & plate washers as permanent repair. At the same time a new water end complete with covers & valves, supplied by the Makers, has been placed on board as a Standby Spare in case of need.

The main & auxiliary machinery generally examined on the occasion of the General Examination for 12 months, 4.42, as far as practicable, without opening out. Owners Representative & the Chief Engineer report that the machinery has given & continues to give satisfactory service. Sundry minor repairs carried out.

Electrical Installation. The Outboard generator opened out & completely examined. The piston & valve rods skimmed up & new bushes fitted.

No. 1 & No. 2, inboard & out board generators, switch board, distribution boxes, fittings, & the various circuits generally examined. Insulation resistance tests carried out & found satisfactory. Sundry minor repairs carried out.

Steering Engine. Tried under working conditions, hard over to hard over P & S. After repairs to Rudder & found satisfactory.

*[Signature]*

Noted  
Examined 4.42 - 13 mod.  
*[Signature]*  
24/5/42