

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

Date of writing Report... 8th June 48... 8th June 48... Port of Rio de Janeiro
 No. in Survey held at Rio de Janeiro Date First Survey 5/6/48 Last Survey 7/6/1948
 Reg. Book. 29367 on the Machinery of the ~~Wood/Whale~~ S/S "MINASLOIDE"

Gross Tonnage 5702 Vessel built at Newcastle By whom Hawthorn, Leslie & Co. Ltd. When 1904-11
 Net Tonnage 3484 Engines made at Newcastle By whom N.E. Marine Eng. Co. Ltd. When 1904
 Nominal Horse Power 518MN Boilers, when made (Main) 1904 (Donkey) -
 No. of Main Boilers 3 Owners Lloyd Brasileiro
 No. of Donkey Boilers - Managers
 Working Pressure in Main Boilers 180lbs If Surveyed Afloat or in Dry Dock Drydock-Ilha Mocangue
 in Donkey Boilers - (State name of Dock.)

Last Report No. Port Particulars of Classification (which must be inserted in Register Book & Supplements)

Particulars of Examination and Repairs (if any) G.E. of Machinery & Boilers
 Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the nature of repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the kind of which may 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 date and initials of any letters respecting this case.

CLASSIFICATION	100A 10,46	Machinery and Boiler Survey	LMC 10,43
Shelter dk. with fbd.		BS	7,46
SS Rio 3rd N° 3-10,43		CL	10,46

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? as stated
 Donkey " " " " " " " " " " " "

By what 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 funnels good

Did the Surveyor examine the Safety Valves of the Main Boilers? NO To what pressure were they afterwards adjusted under steam?
 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? NO 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? NO and of the Donkey Boilers?
 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 the 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 worn parts 1/8" Is electric light and/or gas fitted? yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses as stated

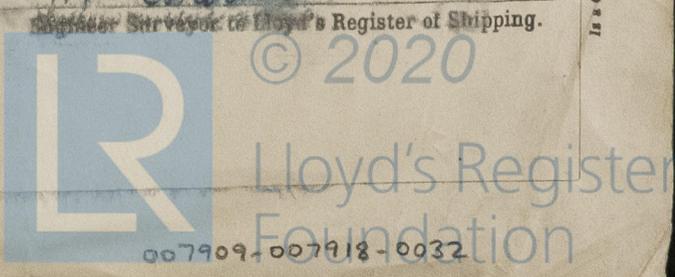
Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? yes
 If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done. It is the Owners stated intention to carry out the Complete Machinery Survey and effect the necessary repairs to the Boilers on the vessel's return to this port before the end of October next. In view of the condition of the boilers it has been agreed that these will run on the reduced pressure of 130lbs per sq. inch, until that time. The vessel in drydock. Examined propeller and outside fastenings of all under water fittings.

The main & auxiliary machinery generally examined, without opening up, and statement made by the Chief Engineer that this works satisfactorily. The Electrical system generally examined and megger tested satisfactorily.
 The port boiler was generally examined on water and fire sides and the following found:-
 number of combustion chamber back, side and girder stays wasted. Several stay tubes also found wasted. The starboard and centre boilers were under steam and were therefore not examined internally, but were examined under steam.

General Observations, Opinion, and Recommendation:— The machinery of this vessel is eligible, in my opinion, to be continued as classed without fresh record of survey, pending a Complete Survey of the machinery and Boilers being carried out before the end of October 1948 and subject to the boiler pressure being reduced to 130 lbs per sq. inch.

Survey Fee (per Section 25) & blrs. Cr\$ 1,000,00
 Special Damage or Repair Fee (if any) (per Section 28.)
 Travelling expenses (if chargeable) 150,00
 Committee's Minute WED 11 AUG 1948
 Assigned Defered

H. Caldwell
 Registrar Surveyor to Lloyd's Register of Shipping.



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

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