

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

(Received at London Office 18 NOV 1942)

Date of writing Report 14<sup>th</sup> October 1942 When handed in at Local Office 19 Port of PORT NATAL  
 No. in Survey held at PORT NATAL Date, First Survey 23<sup>rd</sup> Sept Last Survey 6<sup>th</sup> October 1942  
 Reg. Book 29567 on the Machinery of the Steel S.S. "NURMAHAL" (No. of Visits 3)

Gross Tonnage 5419 Vessel built at Glasgow By whom C. Connell & Co Ltd Year 1923 Month 8  
 Net Tonnage 3380 Engines made at -No- By whom Dunsmuir & Jackson Ltd When 1923  
 Nominal Horse Power 475 Boilers, when made (Main) 1923 (Donkey) 1923  
 No. of Main Boilers 2 Owners Asiatic Steam Nav. Co Ltd Owners' Address (if not already recorded in Appendix to Register Book.)  
 No. of Donkey Boilers 1 Managers -No- Port London Voyage -  
 Steam Pressure in Main Boilers 200 lbs If Surveyed Afloat or in Dry Dock Afloat (State Name of Dock.)  
 No. of Donkey Boilers 110 lbs

Particulars of Classification (which must be inserted precisely as in Register Book and 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)
<u>+ 100 A.I.</u>		<u>+ LMC</u>
<u>6.42</u>		<u>M.S. 12.40</u>
<u>S.S. Cal. No 3-4.36</u>		<u>B.S. 8.41</u>
<u>S.S. Cal. No 1-4.0</u>		<u>S. 12.40 c.l.</u>
		<u>6.42</u>

Report No. B.S. Port London  
 Particulars of Examination and Repairs (if any) B.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.

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? Yes

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? Yes

Was this not done, state for what reasons? Yes

What parts of the Boilers could not be thus thoroughly examined? Yes

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? Yes

What is the latest date of internal examination of each boiler? Donkey 23/9/42, P+S, 28/9/42 Present condition of funnel(s) Good

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 200 lbs. per sq. in.

Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam? 110 lbs. per sq. in.

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

Did the Surveyor examine the drain plugs of the Main Boilers? Yes, and of the Donkey Boilers? Yes

Did the Surveyor examine all the mountings of the Main Boilers? Yes, and of the Donkey Boilers? Yes

Has the screw shaft now been drawn and examined? No Is it fitted with continuous liner? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? Yes

Has the shaft now been changed? Yes If so, state reasons. Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? Yes

Has the shaft now fitted been previously used? Yes Has it a continuous liner? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? Yes

What is the date of examination of Screw Shaft? Yes State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft. Yes

Engine parts, when referred to by numbers, should be counted from forward. Is electric light and/or power fitted? Yes

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

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

Is the Survey complete, state what arrangements have been made for its completion and what remains to be done. Complete

The two main boilers and donkey boiler were examined internally and externally, and all their mountings.

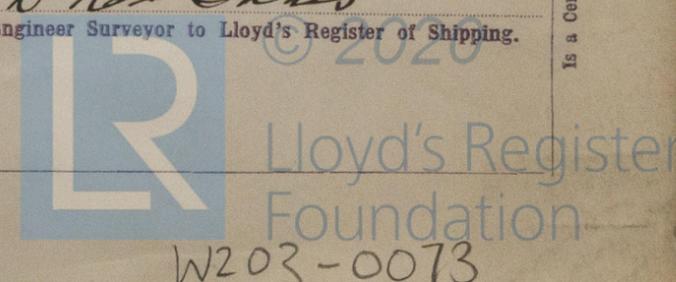
The Safety Valves of each were adjusted under steam to the above pressures.

Repairs:- Port Boiler:- 2 stays renewed in port high comb. chamb.

General Observations, Opinion, and Recommendation:— The machinery of this vessel is eligible in my opinion to remain as classed, with record of B.S. 10.42.

Fee (per Section 29) B.S. £ 8 8 0  
 Damage or Repair Fee (if any) (per Section 29.) £ 0 0 0  
 Printing expenses (if chargeable) £ 5 6 0  
 Committee's Minute FRI. 4 DEC 1942  
 Signed B.S. 10.42

Fees applied for 6/10/1942  
 Received by me, S. Rex Jones 19 acting Engineer 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

Bheld

B1042

2579

2/12/42



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Foundation