

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

(Received at London Office 2 APR 1951)

Date of writing Report 8-3-1951 When handed in at Local Office 8-3-1951 Port of CAPE TOWN.  
 No. in Survey held at Cape Town Date, First Survey 18-10-50 Last Survey 15-2-1951  
 Reg. Book 68692 on the Machinery of the Wood, Iron or Steel M.V. "MASHONA" (No. of Visits 12)

Gross Tonnage 413 Vessel built at Haverton Hill on Tees By whom Furness S.B.Co.Ltd. Year 1944 Month 6  
 Net Tonnage 224 Engines made at Stockport By whom Mirrlees Bickerton & Day Ltd. When 1944  
 Nominal Horse Power 275 BHP Boilers, when made (Main) Owners Union S.S. Company of South Africa Ltd. (Donkey) -  
 No. of Main Boilers - Owners' Address (if not already recorded in Appendix to Register Book.)  
 No. of Donkey Boilers - Managers Coast Lines Africa (Pty) Ltd Port Cape Town Voyage  
 Steam Pressure in Main Boilers - If Surveyed Afloat or in Dry Dock Both (State Name of Dock.) Cape Town Slipway  
 In Donkey Boilers - Particulars of Classification (which must be inserted precisely as in Register Book and Supplements).

Preceding Report No. Port  
 Particulars of Examination and Repairs (if any) T.S. and A.S. and fitting new Engine

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)
B.S. * 12,49 Ctn. Coasting services		M.B.S.*3,49
A.S. S.S.Ctn. 6,49	6:49	O.G. N 6,49
		O.I. Eng.

Periodical Surveys, when held, must be reported in detail and serialim 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.

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. Please see Cape Town Report No. 4155.

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? -  
 Did the Surveyor personally go inside each Donkey Boiler separately and make a thorough examination at this time? -  
 If this 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? - Present condition of funnel(s) -  
 Did the Surveyor examine the Safety Valves of the Main Boiler? - To what pressure were they afterwards adjusted under steam? -  
 Did the Surveyor examine the Safety Valves of Donkey Boiler? - To what pressure were they afterwards adjusted under steam? -

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

Has the screw shaft now been drawn and examined? - Yes - Is it fitted with continuous liner? No 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 Corroded at big end of taper

Has the shaft now fitted been previously used? No Has it a continuous liner? No Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? Yes  
 Date of examination of Screw Shaft 2-2-50 State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft .033"  
 Engine parts, when referred to by numbers, should be counted from forward.  
 Did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes Is electric light and power fitted? Yes

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. Complete.  
 Please see also Cape Town Report No. 4155.

WORK DONE:  
 Vessel placed on the Slipway, tailshaft drawn inboard, propeller, tailshaft and sternbush examined and found or placed in good condition.  
 All sea-connections opened up same with fastenings examined and found good.  
 All auxiliary machinery, including starting air receiver, with mountings, opened up, examined and found good.  
 The valves, cocks, pipes and strainers of the pumping arrangements examined and afterwards tested under working conditions and found good.

General Observations, Opinion, and Recommendation: - /OVER...  
 (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, etc.; thus, for example, B.S. 9,11, B. & M.S. 9,11, L.M.C. 9,11, or L.M.C. 140 lb., F.D., etc.)  
 The Machinery of this vessel is in good condition and eligible, in my opinion, to be retained as classed, with the records of M.B.S. \* 2,51, NE 2,51, and Tailshaft (OG) New 2,51.

Survey Fee (per Section 29) £49-0-0  
 S.C. Instlln. £8-0-0  
 Special Damage or Repair Fee (if any) (per Section 29.) £:  
 Travelling expenses (if chargeable) £2-3-6  
 Fees applied for 6-3-1951  
 Received by me, 19  
 THU 10 MAY 1951

For J.W. James Evans + Self  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute  
 MBS \* 2,51  
 NE \* 2,51 S.(N) 2,51  
 CERTIFICATE WRITTEN.



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

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

