

Lloyds Agent No. 1486
Report of Survey for Repairs, &c., of Engines and Boilers.

Writing Report 10th July 1918 When handed in at Local Office 11th July 1918 Port of Lawrence Marques
Survey held at Lawrence Marques Date, First Survey 30th May Last Survey 7th July 1918
on the Machinery of the Wood, Iron or Steel Sc Sr Granja Master Pereira
Gross 165 Vessel built at Leke By whom Schiff-Gesellschaft When 1912 11 mo
Net 327 Engines made at Leke Altona By whom Ottens Maschin When 1912
red 120 Boilers, when made (Main) 1912 (Donkey)
Main Boilers 2SB Owners Requisitioned by the Portuguese Government Voyage
Donkey Boilers 192 lbs If Surveyed Afloat or in Dry Dock
Pressure—
Boilers 192 lbs (State name of Dock.)

Report No. Port
Particulars of Examination and Repairs (if any)
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 damage (the cause of which must be stated) should be separated from repairs due to other causes; and being detailed in the body of the report, should be briefly summarised at the end of the report. State also the initials of any letters respecting this case.

Age 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?

Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes
" Donkey " " " No donkey boiler.
If not done, state for what reasons?

At parts of the Boilers could not be thus thoroughly examined?
At 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?
Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 191 lbs.

Surveyor examine the Safety Valves of Donkey Boiler? To what pressure were they afterwards adjusted under steam?
Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes and of the Donkey Boiler?
Surveyor examine the drain plugs of the Main Boilers? Yes and of the Donkey Boiler?
Surveyor examine all the mountings of the Main Boilers? Yes and of the Donkey Boiler?

Screw shaft now been drawn and examined? No Is it fitted with continuous liner? or two liners? or is it without liners?
Shaft now been changed? No If so, state reasons
Shaft now fitted new? Has it a continuous liner? or two liners? or is it without liners?

The distance between lignum vitae of stern bush and top of after bearing of screw shaft?
Survey is not complete state what arrangements have been made for its completion and what remains to be done? Not completed, tail end of propeller to be examined in dry dock at Capetown.
Cylinders, pistons, slide valves, pumps, condensers, shafting & connections their fastenings and the general arrangement cocks, pipes, bilge suction, roses etc. examined and found in order or put in order.

The main boiler with its safety valves, doors & mountings examined inside and outside, and the safety valves afterwards tested under steam to the pressure of 13 atmospheres or 180 lbs per square inch. Boiler was tested hydraulically to 230 lbs steam port in high pressure cylinder was found broken, new section was fitted, also new rings for I.H.P. cylinder, and I.H.P. cylinders bored out.

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, or S.L.M.C. 9,11, 140 lb., &c.)
The vessel's machinery is in good efficient condition, in my opinion eligible to remain as classed and to have the record + L.M.C. 7th July 1918.

P.T.O.
Fee (per Section 28) £ Fees applied for
Damage or Repair Fee (if any) £ Received by me, £
Lifting Expenses (if chargeable) £

Committee's Minute
TUE 19 AUG 1919
TUE 14 OCT 1919
Lloyd's Register Foundation

Examine shaft bearings reinstalled and shafting
lined up throughout, all glands bushes reinstalled.
Condenser cleared and 32 new tubes fitted also
all auxillary machinery overhauled and put in
order.

N.B. - If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

OF THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.

9. 2401 due 11-16. part with

It is submitted that this
report will be eligible for

the records of 1. M. 6. 7-18, when
the screw shaft and all
connections have been examined

CHAL Done SE
2/9/18 Spt.



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