

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

No. 41950

Date of writing Report DEC 29th 1944 (Received at London Office 19 FEB 1942)

No. in Reg. Book 71614 Survey held at BROOKLYN Date, First Survey DEC 19th Last Survey DEC 22nd 1944
on the Machinery of the Wood, Iron or Steel SS TOLTEN EX LOTTA (No. of Visits 4)

Tonnage { Gross 1858 Net 1014 Vessel built at AALBORG By whom AALBORG VAERET A/S Year. Month. When 1938. 6.
Engines made at HELSINGORS. By whom JERNEN & NSEB When 1938.
Nominal Horse Power 231 Boilers, when made (Main) 1938. (Donkey) _____
No. of Main Boilers 2 Owners COMPANIA SUD AMERICANA DE VAP Owners' Address AS RECORDED
No. of Donkey Boilers ✓ Managers _____ (if not already recorded in Appendix to Register Book.)
Steam Pressure in Main Boilers 220 Port VALPARAISO Voyage _____
in Donkey Boilers ✓ If Surveyed Afloat or in Dry Dock BOTH (State name of Dock.) ROBINS DD & REPAIR CO

Last Report No. _____ Port _____

Particulars of Examination and Repairs (if any)

(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 dates and initials of any letters respecting this case.

In 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? _____

Donkey " " " " _____

If this was not done, state for what reasons? _____

And what parts of the Boilers could not be thus thoroughly examined? _____

Also 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? _____

State latest date of internal examination of each boiler. _____ Present condition of funnel(s) good

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 screw shaft now been drawn and examined? yes 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? _____

Has shaft now been changed? no If so, state reasons. _____

Has the shaft now fitted been previously used? _____ 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? _____

State date of examination of Screw Shaft Dec 19th State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft 3/16"

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

If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? _____

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

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

Now done.
Propeller removed screw shaft drawn examined with stem bush fastenings same satisfactory, screw shaft replaced and propeller replaced.
All sea valves and cocks opened cleaned examined with their connections found or replaced in good order and chests coated.
Exhaust Turbine opened cleaned and examined, rotor lifted bearings shaft and chain drive examined and found or replaced in good order.
Main Engine Poppet valves, spindles, cages and springs examined and found or replaced in good order.

General Observations, Opinion, and Recommendation:— The Machinery of this vessel is eligible to be retained as classed and it is recommended that the record of this survey be made in register book.
(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, *L.M.C. 9.11, or *L.M.C. 140 lb., F.D., &c.)
*L.M.C. 140 lb., F.D., &c.)
CS 3,34,
T.S. (C) 12/44. To make in register book.

Survey Fee (per Section 29) £ 35.00
Special Damage or Repair Fee (if any) late fee 10.00
(per Section 29.)
Travelling expenses (if chargeable) £ : :
Fees applied for Sec. 31 1944
Received by me, A. W. Coates
19

Committee's Minute NEW YORK JAN 7 - 1942

Assigned As now T. S. 12, 41.

W1158-0120

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>+100A1 with periodical</u>		<u>HLNG 6-38.</u>
<u>3.41</u>		<u>BJ 11-41.</u>
		<u>CL</u>
<u>String tied for danger in ice</u>		

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

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



Wanted
No. one & 2 parts held

22A
10/3/11

Length and use specified.	Test per Certificate	Width of Chain	Weight
1/2 in	100 lbs	1/2 in	100 lbs
3/4 in	150 lbs	3/4 in	150 lbs
1 in	200 lbs	1 in	200 lbs
1 1/4 in	300 lbs	1 1/4 in	300 lbs
1 1/2 in	400 lbs	1 1/2 in	400 lbs
2 in	600 lbs	2 in	600 lbs
2 1/2 in	800 lbs	2 1/2 in	800 lbs
3 in	1000 lbs	3 in	1000 lbs
3 1/2 in	1200 lbs	3 1/2 in	1200 lbs
4 in	1500 lbs	4 in	1500 lbs
4 1/2 in	1800 lbs	4 1/2 in	1800 lbs
5 in	2200 lbs	5 in	2200 lbs
5 1/2 in	2600 lbs	5 1/2 in	2600 lbs
6 in	3000 lbs	6 in	3000 lbs
6 1/2 in	3500 lbs	6 1/2 in	3500 lbs
7 in	4000 lbs	7 in	4000 lbs
7 1/2 in	4500 lbs	7 1/2 in	4500 lbs
8 in	5000 lbs	8 in	5000 lbs
8 1/2 in	5500 lbs	8 1/2 in	5500 lbs
9 in	6000 lbs	9 in	6000 lbs
9 1/2 in	6500 lbs	9 1/2 in	6500 lbs
10 in	7000 lbs	10 in	7000 lbs
10 1/2 in	7500 lbs	10 1/2 in	7500 lbs
11 in	8000 lbs	11 in	8000 lbs
11 1/2 in	8500 lbs	11 1/2 in	8500 lbs
12 in	9000 lbs	12 in	9000 lbs
12 1/2 in	9500 lbs	12 1/2 in	9500 lbs
13 in	10000 lbs	13 in	10000 lbs
13 1/2 in	10500 lbs	13 1/2 in	10500 lbs
14 in	11000 lbs	14 in	11000 lbs
14 1/2 in	11500 lbs	14 1/2 in	11500 lbs
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22 in	19000 lbs	22 in	19000 lbs
22 1/2 in	19500 lbs	22 1/2 in	19500 lbs
23 in	20000 lbs	23 in	20000 lbs
23 1/2 in	20500 lbs	23 1/2 in	20500 lbs
24 in	21000 lbs	24 in	21000 lbs
24 1/2 in	21500 lbs	24 1/2 in	21500 lbs
25 in	22000 lbs	25 in	22000 lbs
25 1/2 in	22500 lbs	25 1/2 in	22500 lbs
26 in	23000 lbs	26 in	23000 lbs
26 1/2 in	23500 lbs	26 1/2 in	23500 lbs
27 in	24000 lbs	27 in	24000 lbs
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33 in	30000 lbs	33 in	30000 lbs
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35 in	32000 lbs	35 in	32000 lbs
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52 in	49000 lbs	52 in	49000 lbs
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53 in	50000 lbs	53 in	50000 lbs
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79 in	76000 lbs	79 in	76000 lbs
79 1/2 in	76500 lbs	79 1/2 in	76500 lbs
80 in	77000 lbs	80 in	77000 lbs
80 1/2 in	77500 lbs	80 1/2 in	77500 lbs
81 in	78000 lbs	81 in	78000 lbs
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82 in	79000 lbs	82 in	79000 lbs
82 1/2 in	79500 lbs	82 1/2 in	79500 lbs
83 in	80000 lbs	83 in	80000 lbs
83 1/2 in	80500 lbs	83 1/2 in	80500 lbs
84 in	81000 lbs	84 in	81000 lbs
84 1/2 in	81500 lbs	84 1/2 in	81500 lbs
85 in	82000 lbs	85 in	82000 lbs
85 1/2 in	82500 lbs	85 1/2 in	82500 lbs
86 in	83000 lbs	86 in	83000 lbs
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87 in	84000 lbs	87 in	84000 lbs
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98 in	95000 lbs	98 in	95000 lbs
98 1/2 in	95500 lbs	98 1/2 in	95500 lbs
99 in	96000 lbs	99 in	96000 lbs
99 1/2 in	96500 lbs	99 1/2 in	96500 lbs
100 in	97000 lbs	100 in	97000 lbs

ANCHORS PETLIM

weight 3200

PETLIM



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