

Rpt. 9

Date of writing report 30-11-59

Received London

Port Rio de Janeiro

No. 7168

Survey held at Rio de Janeiro

No. of visits 4

First date 11-11-59

Last date 27-11-59

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 06848 S.S. "CHUY" Gross tons 2504 Date of build 1919
Owners Navegação Mercantil S/A Managers - Port of Registry Rio de Janeiro
Engines made Gls By A. & J. Inglis Ltd Type T 30Y
No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 2 SB W.P. 180 lbs
No. of Aux./Donkey Boilers - W.P. -
Surveyed Afloat or in Dry Dock Both
Nature of Survey MBS. & ES Modified.
Was Damage Report issued? No Int. Cert.? Yes
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
+100A1 (Dr) 10/44	+LMC 10/54
SS 10/54	MBS 10/58
DS 10/58	TS 10/58
	SPS 10/54

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination, a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

DOCKING Propellers GOOD Wear Down of Stern Bushes 5/32" Oil Glands None Sea Connections Good
Fastenings GOOD Has Screwshaft Tubeshaft been drawn? No Date of Examination Has Shaft been changed?
Has Shaft now fitted been previously used? Has Shaft now examined/fitted a continuous liner? Approved oil gland?

MAIN ENGINES (Recip. Steam or I.C.)

PORT

MAIN ENGINE

STARBOARD

1 Cyls., Covers, Pistons & Rods GOOD
2 Valves & Gears GOOD
3 Connecting Rods, Top Ends & Guides GOOD
4 Crankpins & Bearings GOOD
5 Journals & Bearings GOOD

MAIN ENGINE DRIVEN AIR COMPRESSORS

6 Cyls., Covers, Pistons & Rods
7 Connecting Rods & Top Ends
8 Crankpins & Bearings
9 Journals & Bearings
10 Coolers & Safety Devices

MAIN ENGINE DRIVEN SCAVENGE PUMPS

11 Cyls., Covers, Pistons & Rods
12 Connecting Rods & Top Ends
13 Crankpins & Bearings
14 Journals & Bearings
15 Levers

16 SCAVENGE BLOWERS
17 SUPERCHARGERS

MAIN TURBINES

18 Casings, Rotors, Blading, Bearings & Thrusts

19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

20 STEAM COMPRESSORS

21 CLUTCHES & HYDRAULIC COUPLINGS

22 REDUCTION GEARING

23 THRUST BLOCKS, SHAFTS & BEARINGS

24 INTERMEDIATE SHAFTS & BEARINGS

25 HOLDING DOWN BOLTS & CHOCKS

26 CONDENSERS (MAIN & AUX.)

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS

29 STOP & MANŒUVRING VALVES

30 MAIN ENGINE DRIVEN PUMPS

CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manœuvring? No

OPINION OF MACHINERY AND RECOMMENDATIONS

Eligible, in my opinion, to remain as classed with fresh records of M.B.S. 11,59 and E.S. (Modified- 12 months) 11,59. ("For Service on the Brazilian Coast between the ports of Santos and Fortaleza")

Date of Committee FRIDAY 15 JAN 1960

Decision ES (Mod) 11,59
MBS 11,59

50m, 8,56. T. (MADE AND PRINTED IN ENGLAND.)

CERTIFICATE WRITTEN:

Engineer Surveyor to Lloyd's Register of Shipping

E. HOWEY.

Lloyd's Register Foundation

002762-002769-0054

32 Essential Independent Pumps (Identify by position) All Satisfactory
33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls Satisfactory
34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? Yes
35 Fresh Water Coolers None 36 Lub. Oil Coolers None 37 Heaters (state service) Good (Feed-water)
38 Independent Air Compressors, Coolers & Safety Devices 40 Auxiliary
39 Air Receivers & Safety devices Main
41 Oil Fuel Tanks (Not forming part of hull structure)
42 Evaporators GOOD 43 Have Evaporator Safety Valves been tested under steam? YES
44 Steering Machinery GOOD 45 Windlass GOOD 46 Fire Extinguishing Arrangements GOOD

AUXILIARY ENGINES (Identify by position) Steam Dynamos - both GOOD

		ELECTRICAL EQUIPMENT	
PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a Generators			l Generators & Governors GOOD
b Exciters			m Motors GOOD
c Air Coolers			n Switchboards & Fittings GOOD
d Motors			o Circuit Breakers GOOD
e Air Coolers			p Cables GOOD
f Control Gear, Cables, etc.			q Insulation Resistance GOOD
g Insulation Resistance			r Steering Gear Generators and Motors XX
h Insulating Oil Test			s Navigation Light Indicators GOOD
i Overspeed Governors			
j Magnetic Couplings			
k Air Gap			

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)
MAIN P & S GOOD 13-11-59
Superheaters GOOD
Safety Valves GOOD
Mountings, Doors & Fastenings GOOD
Safety Valves Adjusted to Sat. 180 lbs/sq"
Spt.
Boiler Securing Arrangements GOOD
Main Economisers Exhaust Gas Heated Economisers
Steam Heated Steam Generators Steam Generator Safety Valves Adjusted to
Were Oil Burning System & Remote Controls examined working in accordance with Rules? Forced Circulating Pumps
Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? Funnel GOOD

EXAMINATION & TESTING OF STEAM PIPES (State material)
Main Auxiliary (over 3 in. bore)
Were Copper Pipes annealed? Have Saturated Pipes in cylindrical boiler smoke boxes been tested?

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)

W. & T. REPAIRS
The port & starboard boilers mountings overhauled and a number of smoke tubes renewed.
3 wasted c.c. back stays renewed in the starboard boiler.
Intermediate shafting plummer block foundation bolts hardened up or renewed as required.
5 main engine foundation bolts (broken) now renewed.
H.P. & M.P. Main Engine piston rings renewed & their respective valves & spindles overhauled.
Electrical Switchboard fittings cleaned & hardened up as required.

Boekhuysen
ES. due 10.5.58 Portenment approved to 10.5.59
Modified Machinery survey now held for 12 months
service.
MBS. due 10.5.59 now held.

It is submitted that this vessel is eligible to remain as CLASSED, with fresh records app.
MBS. 11.5.59 and LEAVE THIS SPACE BLANK
ES. 11.5.59 (modified for 12 months service cost)
8.1.60

Survey fees Mahy. 10,800.00
Damage fee
Expenses...
Date when A/c rendered. 30-11-59

