

Rpt. 9

Date of writing report 11th. June, 1958
Survey held at Rio de Janeiro

Received London
No. of visits 4

Port Rio de Janeiro No. 7043
First date 23rd. May, 58 Last date 10th. June, 1958.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 13494 S.S. HERVAL
Owners Navegação Mercantil S.A. Managers
Engines made Gls By A. & J. Inglis Ltd. Type T 3Cy.
No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 2 W.P. 180 lb
No. of Aux./Donkey Boilers - W.P. -
Surveyed Afloat or in Dry Dock DD.
Nature of Survey Dkg., TS. & B.S.
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	+LMC 10/55
(Dr) 4/46	MBS 1/57
ssRio 10/55	TS CL 10/55N
Docking 1/57	SPS 10/55

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 Good fit Oil Glands none Sea Connections
Fastenings Good Has Screwshaft been drawn? Yes Date of Examination 2:6:58 Has Shaft been changed? no
Has Shaft now fitted been previously used? Has Shaft now examined a continuous liner? Yes Approved oil gland? no
MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD

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

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

SCAVENGE BLOWERS

SUPERCHARGERS

MAIN TURBINES

- 16 Casings, Rotors, Blading, Bearings & Thrusts

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

- 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 & MANOEUVRING VALVES
- 30 MAIN ENGINE DRIVEN PUMPS

CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

OPINION OF MACHINERY AND RECOMMENDATIONS

The Machinery of this ship, so far as now seen, is in good condition and, eligible, in my opinion, to remain as classed with fresh records of MBS. 6, 58 & T.S. CL. 6, 58.

Date of Committee

Decision

50m, 6, 56. T. (MADE AND PRINTED IN ENGLAND.)

TUESDAY 22 JUL 1958

TS 6. 58

MBS 6. 58

Engineer Surveyor to Lloyd's Register of Shipping
E. Howey

Lloyd's Register
Foundation

010835-010845-0100

If certificate is required state where to be sent.

June, 1958

32 Essential Independent Pumps (Identify by position)
33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls
34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary?
35 Fresh Water Coolers 36 Lub. Oil Coolers 37 Heaters (state service)
38 Independent Air Compressors, Coolers & Safety Devices
39 Air Receivers & Safety devices—Main 40 Auxiliary
41 Oil Fuel Tanks (Not forming part of hull structure)
42 Evaporators 43 Have Evaporator Safety Valves been tested under steam?
44 Steering Machinery 45 Windlass 46 Fire Extinguishing Arrangements

AUXILIARY ENGINES (Identify by position).....
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		ELECTRICAL EQUIPMENT	
PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a Generators			l Generators & Governors
b Exciters			m Motors
c Air Coolers			n Switchboards & Fittings
d Motors			o Circuit Breakers
e Air Coolers			p Cables
f Control Gear, Cables, etc.			q Insulation Resistance
g Insulation Resistance			r Steering Gear Generators and Motors
h Insulating Oil Test			s Navigation Light Indicators
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. 28:5:58. ~~AUXILIARY OPENED UP & EXAMINED~~

~~Superheaters~~
Safety Valves Good
Mountings, Doors & Fastenings Good
Safety Valves Adjusted to Sat. 180 lbs./sq. "
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. Approx. 30 plain tubes renewed in the p. & s. boilers as required.

LEAVE THIS SPACE BLANK

BS. Survey fees £ 6.400,00
TS. 3.000,00

Damage fee XXX

Expenses... 600,00

Date when A/c rendered 11th. June, 1958.