

Rpt. 9

Date of writing report Sept. 25, 1957.

Survey held at Newport News, Va.

Received London 21 OCT 1957

No. of visits Two

Port Newport News, Va.

First date and

Last date Sept. 24, 1957

No. 7718

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 27378 Name M.V. "SANTA MARINA"

Gross tons 7164 Date of build 1943 - 11

Owners Araucana Cia. Armadora S.A.

Managers

Port of Registry Panama

Engines made Tto. By John Inglis Co. Ltd.

Type Steam recip.

No. of Main Engines 1 No. of Screws 1

Records of Survey & Special Notations as per Register Book

No. of Main Boilers 2 W.P. 250 psi.

No. of Aux./Donkey Boilers W.P.

Surveyed Afloat or in Dry Dock Afloat

Nature of Survey MBS.

Was Damage Report issued? - Int. Cert.? Yes

Last Report (For Head Office, only)

Hull	Machinery
*100-A-1	*LMC. 3-52
SS. Bal. 1-53	Boilers 6-56
Docking 1-57	T.S.(CL) 1-57

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 - Wear Down of Stern Bushes - Oil Glands - Sea Connections -
Fastenings - Has Screwshaft/Tubeshaft been drawn? - 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

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

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 & MANOEUVRING VALVES

30 MAIN ENGINE DRIVEN PUMPS

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel so far as now seen, is in good condition, and eligible in my opinion to remain as now classed, with fresh record of MBS. 8-57, when survey has been completed; subject to main engine No. 1 main main bearing being remetaled before completion of ES. as previously recommended.

Date of Committee NEW YORK OCT 2 1957
Decision Deferred for Comp ET and MBS.

have: ET 3.57 } on completion
MBS 8.57 }
Write own re comp means

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W.D. Ward
Engineer Surveyor to Lloyd's Register of Shipping
W.D. Ward Foundation

If certificate is required state where to be sent.

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)

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

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN Starboard only (good) Sept. 24, 1957. AUXILIARY, DONKEY or PRESS
Superheaters Good
Safety Valves Good
Mountings, Doors & Fastenings Good
Safety Valves Adjusted to Sat. 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? No 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)

NOW DONE FOR MBS.

Starboard Boiler examined internally and externally over all parts, together with doors and fastenings and all found in good order. Principal boiler mountings opened up, valves ground in, examined, found or placed in good order, covers rejointed and glands re-packed.

Repairs Now Done:- Starboard boiler refractory repaired where found necessary.

Remaining to Complete Survey:-

Port and starboard boiler safety valves to adjust. Fuel oil burning installation to examine under working conditions.

Survey fees \$50.00

Damage fee

Expenses \$10.00

Date when A/c rendered Sept. 25th, 1957.