

REC'D NEW YORK AUG 15 1957

Rpt. 9

Date of writing report Aug. 14, 1957.

Received London

Port Newport News, Va. No. 7689.

Survey held at Norfolk, Va.

No. of visits 3

First date Aug. 5th Last date Aug. 8th, 1957.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 27378. Name S.S. "SANTA MARINA"

Gross tons 7164 Date of build 1913 - 11.

Owners Araucana 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.

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

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

Surveyed Afloat or in Dry Dock Afloat

Nature of Survey Commencement B.S.

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

Last Report (For Head Office only)

7582 MM

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

MAIN ENGINE DRIVEN SCAVENGE PUMPS

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

14 Levers

15 SCAVENGE BLOWERS

16 SUPERCHARGERS

MAIN TURBINES

17 Casings, Rotors, Blading, Bearings & Thrusts

18 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

19 STEAM COMPRESSORS

20 CLUTCHES & HYDRAULIC COUPLINGS

21 REDUCTION GEARING

22 THRUST BLOCKS, SHAFTS & BEARINGS

23 INTERMEDIATE SHAFTS & BEARINGS

24 HOLDING DOWN BOLTS & CHOCKS

25 CONDENSERS (MAIN & AUX.)

26 STEAM RE-HEATERS

27 DE-SUPERHEATERS

28 STOP & MANOEUVRING VALVES

29 MAIN ENGINE DRIVEN PUMPS

30 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 eligible in my opinion to remain as now classed, with new record of Main Boiler Survey 8-57, when survey has been completed; subject to outstanding items effecting the class of the machinery being dealt with as previously recommended.

Date of Committee Decision Defenses for Proposed EJ and MBS.

have :- ES 3.57 on completion MBS 8.57 on completion



If so, is the Report sent now, or when will it be sent?

If certificate is required state where to be sent

012966-012982-0274

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		AUXILIARY EQUIPMENT
	PORT	STARBOARD	
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 Port Boiler only August 5th, 1957..... AUXILIARY, DONKEY or PRESS.....

Superheaters Port boiler only - good.....

Safety Valves Port boiler only.....

Mountings, Doors & Fastenings Port only.....

Safety Valves Adjusted to { Sat. -
Spt. -

Boiler Securing Arrangements Port 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 BOILER SURVEY:
Port Boiler examined internally and externally, together with doors and fastenings. Principal boiler mountings opened up, valves ground in, examined; all found or placed in good order.

REPAIRS NOW DONE:- Seven (7) 4" fire tubes found excessively sagged, renewed.
Boiler tested by hydraulic pressure upon completion of repairs and proved satisfactory.
The Owners Representative stated, that it is the intention of the Owners to have the starboard boiler surveyed on vessels return to Newport News, at the end of the present voyage.

To Complete Survey Starboard boiler to be examined.
Port Boiler safety valves to adjust.
Fuel oil burning installation to examine.

ME No 1 top half main
examined by E.S.
completion of E.S.
11 SEP 1957
68
for not

LEAVE THIS SPACE BLANK

Survey fees \$40.00
Repairs 30.00
Damage fee
Expenses 16.00

Date when A. rendered August 14th, 1957.

