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writing report 12.12.61.
held at Glasgow

Received London
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Port Glasgow
First date 6.10.61. Last date 8.12.61 No. 93133

PORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

R.B. 23578 T. S.S. "ACAPULCO" Ex "NASSAU"
Incres Steamship Co. Ltd. Managers
Gross tons 15182 Date of build 1923-4
Port of Registry Acapulco

Lines made 1923 By Armstrong Whitworth
Type 6 steam turbines DR geared to 2 Sc. Shafts
No. of Main Engines 2 No. of Screws 2
No. of Main Boilers 3DB & 4SB W.P. 200 lb/sq.in.
No. of Aux./Donkey Boilers - W.P. -
Surveyed Afloat or in Dry Dock Both
Nature of Survey Docking, TSCL, MBS, Part CS
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 DS 10,60	+LMC CS 6,59
Shelter Dk. with fbd.	MBS 12,60
SS 12,59 (DR) 6,50	TS(CL) p & s 11,57
	SPS 12,60
Reclassified 6,50 OSD NS	+Lloyd's RMC OF 4,23

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 Have Wear Down of Stern Bushes Both bottom halves Rewooded Oil Glands - Sea Connections Good
Fastenings Good Has Screwshaft/Tubeshaft been drawn? Yes Date of Examination 10.11.61 Has Shaft been changed? No
Have Has Shaft Snow fitted been previously used? - Have Has Shaft Snow examined/fitted a continuous liners Yes Approved oil gland? -
MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD
1 Cyls., Covers, Pistons & Rods
Valves & Gears
Connecting Rods { Side
Top Ends & Guides { 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.) Main & Aux. (Tested) Main (Tested)
27 STEAM RE-HEATERS
28 DE-SUPERHEATERS
29 STOP & MANOEUVRING VALVES Ahead & Astern
30 MAIN ENGINE DRIVEN PUMPS
31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manoeuvring? Yes

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel so far as now seen is in good condition and eligible in our opinion to remain as classed with fresh records or MBS 12,61 TS(CL) p & s 11,61 now and CS with date when the survey has been completed subject to (p) M.E. L.P. turbine rotor being specially examined and dealt with as necessary by 12,62 (24 months limit) as previously recommended.

Date of Committee GLASGOW 27 DEC 1961
Decision As now subject.
MBS 12,61.
TSCL(P&S) 11.61.
40m,3,58 T. (MADE AND PRINTED IN ENGLAND.)

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R.M. NICHOLSON & E.H. BARTH
Engineer Surveyor to Lloyd's Register of Shipping
Foundation

004176-004176-0069 3

If certificate is required state where to be sent

32 Essential Independent Pumps (Identify by position) Port inbd. & outbd. main feed pumps, port main L.O. pump, port main S.W. circ. pump Port oil fuel unit pumps, stbd. inbd. and outbd. bilge pumps - All good

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 Good

45 Windlass Good

46 Fire Extinguishing Arrangements Good

AUXILIARY ENGINES (Identify by position)

PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a Generators			1 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 Ford, port, centre & stbd. 30.10.61. Good
Double ended port, centre & stbd. 31.10.61. Good
Aft 1.11.61. Good

Superheaters
Safety Valves All - Good
Mountings, Doors & Fastenings All - Good
Safety Valves Adjusted to Sat. All 200 lb/sq. in.
Spt. -

Boiler Securing Arrangements All - 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? Yes 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)

Repairs: Forward Port Boiler Small fracture found in way of auxiliary feed check valve opening. Hole trepanned out $\frac{1}{2}$ " more in dia. to clear crack, shell crack detected and found clear, feed check/spigot sleeved.

2 manhole doors built up with electric welding round inner edge of jointing face.

Star. low furnace wrapper plate - tube plate seam caulked.

10 c.c. stays caulked.

Forward Centre Boiler

3 - manhole doors built up with electric welding round inner edge of jointing face.

1 c.c. stay renewed, 8 c.c. stays caulked, 7 - rivets in star. high fire

Forward Star. boiler

2 - manhole doors built up with electric welding round inner

edge of jointing face. Starboard low combustion chamber wrapper

tube plate seam caulked; 9 c.c. stays caulked.

Port Double-ended Boiler

5 plain tubes renewed.

Cont'd on sheet 2.

Passenger Safety Cert. £100.

Survey fees TS (CL) £14. - -

MBS 68. - -

Repair 10. - -

Pt. CS. 35. - -

New Install. 10. - -

Damage fee Spec. attend. £25. 5. - -

Elec. Fee £62. - -

Expenses... £3. 12. - -

Date when A/c rendered 27 DEC 1961

This entry made in RFB 16/12/61 20/12/61

Surveyor's Initials. RLB acb

on the S.S. ~~MSX~~

"ACAPULCO" Ex "NASSAU"

Port Double-ended Boiler (Cont'd).

10 plain tubes expanded

6 - c.c. stay nuts removed and stays welded.

Centre Double-ended Boiler

3 - plain tubes renewed; 12 plain tubes expanded, 6 stay tubes caulked

rivets caulked round goose neck or star. low furnace.

Star. Double Ended Boiler

28 - rivets in port low furnace caulked; 14 stay tubes renewed

4 plain tubes expanded, star. low furnace wrapper plate tube plate seam caulked.

Combustion chamber plates built up by welding around top two rows of C.C.

tie stays in each double-ended boiler.

Aft. Boiler

2 - manhole doors built up with electric welding round inner edge of jointing

face.

Machinery Star. Main Condenser - Some wastage found on shell of condenser behind

flange, connection for water box. Test holes drilled and doubling plate

fashioned, and welded in position.

Auxiliary Condenser:- Water box division plate found broken at inboard end. Division

plate cropped approx 8" from side of box and new section of plate shaped and jointed

to side of water box and remainder of division plate by set screws with washers

and grumets.

Mos. Steering Gear and Windlass: Minor wear and tear repairs effected.

New Installation Two new turbo generator units have been installed in the

engineers flat port side (formerly the workshop) The workshop machinery has been

transferred to the star. side E.R. flat, adjacent to the main switchboard. These

new turbo generators positioned forward and aft. will provide power through a new

switchboard, fitted adjacent to and outboard of the forward generator, to seven new

air conditioning units, and also power for lighting to the new cinema and shopping

centre. The installation was satisfactorily installed in accordance with the

accompanying plan A.6.

The identification marks on the various items are as follows:-

Forward Turbo Generator Unit- Joshua Hendy Iron Works, San Francisco California U.S.A.

Marine Steam Turbine Serial No. 10649 (photostat copy of certificate attached).

Aft. turbo Generator Unit- Joshua Hendy Iron Works, San Francisco, California, U.S.A.

Marine steam turbine Serial No. 10650 (photostat copy of certificate attached).

Forward Extraction Pump - G. & J. Weir Ltd., Glasgow pump No. 316172 (Cert. No. C.67975

attached).

Aft. Extraction Pump - G. & J. Weir, Glasgow Pump No. 316173 (Cert. No. C.67976 attached).

The identification marks on the condenser were illegible.

The circulating water to the condenser is provided by the existing main

circulating pumps port and starboard which are cross connected, and from this

cross-connection a branch with a valve is led to the new condenser.

Port of Glasgow

Continuation of Ship/Mchy. Report No. 93133, dated 12.12.61

T.
on the S.S./M.S. "ACAPULCO" ex "NASSAU"

Electrical Installation

Repairs:- Insulation resistances measured and minor repairs carried out.

New Installation:- A 440 Volts three phase three wire insulated system now installed supplying air conditioning and lighting. The installation carried out in accordance with the Secretary's letter and the approved plans or equivalent thereto. On completion, the equipment was tested under full load and found satisfactory.

Alternator particulars 343.75 KVA 275 KW 0.8 P.F. 1200 R.P.M.

440 Volts. 3 Phase 60 C/s made by The General Electric Co. (U.S.A.)

achilles

