

12 FEB 1960

Rpt. 9

Date of writing report 4.2.60
Survey held at Bilbao

Received London
No. of visits 8

Port Bilbao
First date 28.11.59 Last date 13.1.59

No. 12759

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 21199 Name S.S. "MARQUES DE URQUIJO" Gross tons 2567 Date of build 1 - 1894
Owners Altos Hornos de Vizcaya S.A. Managers - Port of Registry Bilbao
Engines made Sld. By J. Dickinson Type Steam reciprocating

No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 2 SB W.P. 160 lbs.
No. of Donkey Boilers 1 W.P. 100 lbs.
Surveyed Afloat or in Dry Dock Both
Nature of Survey G.E. MBS. DBS. Cond of Class
Was Damage Report issued? - Int. Cert.? Yes
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery	
+ 100A1	+ IMC.	
part awning deck with	E.S. 12,55	SPS. 12,55
freeboard	MBS. 3,59	
S.S. (Dr) 12,55	DBS. 3,59	
3,59	NDB. 07	
	TS(CL) 3,58	

Now

Yes

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.

Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

- DOCKING Propellers **Good** Wear Down of Stern Bushes **3/16"** Oil Glands - Sea Connections -
- 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.G.) 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? **Yes**
OPINION OF MACHINERY AND RECOMMENDATIONS **The machinery of this ship as now surveyed is eligible to remain as present classed with fresh records of MBS. 12,59 and DBS. 12,59 subject to the donkey boiler not being operated above 75 lbs/sq.ins pending repairs to the ogee ring.**

Date of Committee **TUESDAY 1 MAR 1960**
Decision **As above subject MBS 12,59 DBS 12,59**

Frederick Fair
F. Fair
Engineer Surveyor to Lloyd's Register of Shipping
Lloyd's Register of Shipping Foundation
11107-11078-0160
BB0 152

- 32 Essential Independent Pumps (Identify by position)
- 33 Hinge, 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)

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 Over-speed 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 & Starb. 16.12.59** ~~AUXILIARY DONKEY & PRESS~~ 26.12.59

Superheaters Good Good

Safety Valves Good Good

Mountings, Doors & Fastenings 160 lbs. 75 lbs.

Safety Valves Adjusted to ^{Sat} _{Spec} Good Good

Boiler Securing Arrangements

Main Economisers Exhaust Gas Heated Economisers - -

Steam Heated Steam Generators Steam Generator Safety Valves Adjusted to - -

Wet Oil Burning System & Remote Controls examined working in accordance with Rules? Forced Circulating Pumps. - Good

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 General Examination

The machinery examined for postponement of machinery survey in accordance with Circular No 1959 as authorised in the Secretary's letter dated 10th April 1959.

The log books examined and the machinery generally examined under working conditions, and the electrical circuits megger tested. The Chief Engineer stated that the machinery is giving satisfaction.

Cond. Class S.R.L. 172 The ogee ring of the Donkey boiler specially examined. The boiler is considered to remain efficient, but it is recommended that the present condition of class be retained.

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Survey fees MBS. 3840 Ptas.
DBS. 1680 "

Cond. Class. 750 "
Gen. Exam. 1900 "

Damage fee 500
19/12 S.A.F. Fee
Expenses... CA 150

Date when A/c rendered 6/2/60

