

13 DEC 1956

pt. 9
Date of writing report 6/12/56.
Survey held at MONTEVIDEO.

Received London
No. of visits twelve.

Port MONTEVIDEO. No. 1035.
First date 14/11/56 Last date 1/12/56.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 64385 Name ~~M.V.~~ ^{XX} tanker "ISLAS MALVINAS" Gross tons 9822 Date of build 7-1950.
Owners Argentine Government (Yacimientos Petroliferos Fiscales) Port of Registry Buenos Aires.
Engines made 1950 By Nordberg Mfg. Co., Milwaukee. Type 2 Oil engs. 2SA each 7Cy. 735 x 1015mm.

No. of Main Engines TWO No. of Screws TWO.
No. of Main Boilers -- W.P. --
No. of ~~XXX~~ Donkey Boilers 2db W.P. 150 lb.
Surveyed Afloat or in Dry Dock both.
Nature of Survey DOCKING, TS, DBS & MACHY EXAM.
Was Damage Report issued? -- Int. Cert. (C.I.) yes.
Last Report (For Head Office only)

Hull	Machinery
CLASS SUSPENDED 12/55-MACHINERY SURVEY INCOMPLETE +100AL carrying petroleum in bulk. 12/54	+LMC N 7/50 nd 7/50 TS CL p & s 11/54

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 P&S 1.5 mm. Oil Glands -- Sea Connections Good.
Fastenings Good. Has Screwshaft/Tubeshaft been drawn? P&S yes. Date of Examination 17/11/56 Has Shaft been changed? Port yes; Stbd. no.
Has shaft now fitted been previously used? NO. Has Shaft now examined/fitted a continuous liner? P&S yes. Approved oil gland? --

MAIN ENGINES (Recip. SCREW I.C.)	PORT	STARBOARD
1 Cyls., Covers, Pistons XXX	--	Nos. 1 to 7, inclusive, good.
2 Valves & Gears	--	Nos. 1 to 7, inclusive, good.
3 Connecting Rods, Side	--	No. 6, good.
Top Ends & Guides, Centre	--	--
4 Crankpins & Bearings, Side	--	Nos. 1 to 7, inclusive, good.
Centre	--	Nos. 1 to 9, inclusive, good.
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

MAIN TURBINES

18 Casings, Rotors, Blading, Bearings & Thrusts

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

STEAM COMPRESSORS

CLUTCHES & HYDRAULIC COUPLINGS

REDUCTION GEARING

23 THRUST BLOCKS, SHAFTS & BEARINGS -- Good.

24 INTERMEDIATE SHAFTS & BEARINGS Good.

25 HOLDING DOWN BOLTS & CHOCKS Good.

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

FOR INFORMATION OF COMMITTEE

Date of Committee THURSDAY 31 JAN 1957
Decision As now (with case.)
Endmt

Noted for Header

h. Austin
Engineer Surveyor to Lloyd's Register of Shipping
W.F. Westall.

3 m. 8.55*

Both S.N. 11,56.

Retain "Class Suspended 12,55 - Machinery Survey incomplete"

TS CL P 1156 (N)
S 1156



Lloyd's Register of Shipping
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 Good. 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 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 _____ AUXILIARY, DONKEY EXPRESS Boilers, port 30/11/56; starboard 21/11/56, both good.
 Superheaters _____ Good, p & s.
 Safety Valves _____ Good, p & s.
 Mountings, Doors & Fastenings _____
 Safety Valves Adjusted to { Sat. _____ Starboard boiler only, 150 lbs./sq. in.
 Spt. _____
 Boiler Securing Arrangements _____ Good, p & s.
 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)

Attended at request of Owners' Superintendent & Agents.
 NOW DONE.- Docking & TS.- Vessel placed on floating drydock 13/11/56, undocked 1/12/56.
 Port & starboard propellers, sea connections and their fastenings examined. Port & starboard screwshafts drawn, cleaned and examined. All parts found or placed in good condition.

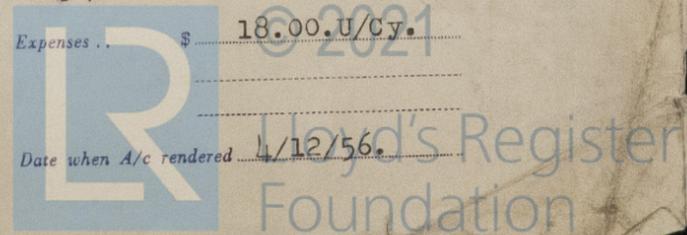
Owing to excessive wear both stern and propeller bracket bushes re-wooded. lined up with engine crankshafts and bored in place to correct diameter. Port screwshaft badly pitted at outer end of brass liner and in vicinity of fore end of keyway, also brass liner considerably worn in way of inner and outer bushes; Owners' uncompleted spare screwshaft finished machined and fitted. Starboard screwshaft, brass liner badly worn way inner and outer bushes now dressed parallel by hand and refitted. Port screwshaft considered unfit for further service unless shortened and brass liner renewed. Port & starboard screwshafts neck & gland bushes renewed. Port & starboard screwshaft ropeguards found to be missing now renewed complete. Port & starboard propellers cracked and serrated to minor extent way all tips but otherwise efficient, no repairs effected or considered necessary. Minor repairs effected to sea connections
 PART MACHY. EXAMINATION (REPAIRS).-Starboard main engine; renewed all (7) bottom halves crankshaft journal bearings; renewed crankpin bearings, No.1 top halves, No.2 top & bottom halves, No.3 bottom halves, No.5 bottom halves. Port intermediate shaft one bearing remetalled.

LEAVE THIS SPACE BLANK

Survey fees \$ 300.00.U/Cy.

Damage fee \$ _____
 Expenses \$ 18.00.U/Cy.

Date when A/c rendered 4/12/56.



Rpt.
Port o

Rpt.

Port of MONTEVIDEO.

Continuation of Report No. 1035

dated 6/12/56

on the "ISLAS
MALVINAS"

DONKEY BOILER SURVEY. - Port & starboard donkey boilers examined internally and externally with mountings, doors and fastenings, safety valves overhauled and examined.

Starboard boiler examined under steam and safety valves adjusted to working pressure. Minor repairs effected to mountings.

To complete donkey boiler survey port boiler to be examined under steam and safety valves to be adjusted to working pressure, also oil burning system and remote controls to be examined working in accordance with the Rules.

STEERING MACHINERY. - Examined opened up in the course of repairs to Rudder and all found in good condition.

L. A. ...

Engineer Surveyor to Lloyd's Register of Shipping.



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