

Date of writing report 10th July, 1959 Received London Port BUENOS AIRES No. 30581
Survey held at PUERTO BELGRANO No. of visits six First date 6-5-59 Last date 9-6-59
BAHIA BLANCA.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

S.S. No. in R.B. 61898 Name MTK Tanker "GENERAL LAS HERAS" Gross tons 12741 Date of build 1951-8mo.
Owners Argentine Government (Yacimientos Petroliferos Fiscales) Managers Port of Registry Buenos Aires.
Engines made Birkenhead By Cammell Laird & Co. Ltd. Type DR

No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 2 WTW w.p. 180 lb.
No. of Aux./Donkey Boilers 2 w.p. 150 lb.
Surveyed Afloat or in Dry Dock Drydock.
Nature of Survey Docking & Comm. of E.S.
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
4100A1	4MC 10,55
3,57	MBS 11,58
s.s. Bks- 10,55	abs 1,58
	sgs 1,59
	TS CL 1,59

CARRYING PETROLEUM IN BULK.

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 Close fit Oil Glands -- Sea Connections Good
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? No

MAIN ENGINES (Recip./Steam or EC.)	PORT	STARBOARD
1 Cyls., Covers, Pistons & Rods		
2 Valves & Gears		
3 Connecting Rods, { Side		
Top Ends & Guides { Centre		
4 Crankpins & Bearings { Side		
{ Centre		
5 Journals & Bearings		
6 MAIN ENGINES		
6 Cyls., Covers, Pistons & Rods		
7 Connecting Rods & Top Ends		
8 Crankpins & Bearings		
9 Journals & Bearings		
10 Coolers & Safety Devices		
11 MAIN ENGINES		
11 Cyls., Covers, Pistons & Rods		
12 Connecting Rods & Top Ends		
13 Crankpins & Bearings		
14 Journals & Bearings		
15 Levers		
16 MAIN ENGINES		
17 MAIN ENGINES		
MAIN TURBINES		
18 Casings, Rotors, Blading, Bearings & Thrusts		
19 REDUCTION STEAM TURBINES (WITH RECP. ENGINES)		
20 STEAM COMPRESSORS		
21 STEAM COMPRESSORS		
22 REDUCTION GEARING		
23 THRUST BLOCKS, SHAFTS & BEARINGS		
24 INTERMEDIATE SHAFTS & BEARINGS		
25 HOLDING DOWN BOLTS & CHOCKS		
26 CONDENSERS (MAIN & AUX.) Main † & Aux. Good.		
27 STEAM REHEATERS		
28 STEAM REHEATERS		
29 STOP & MANOEUVRING VALVES Good.		
30 STEAM REHEATERS		
31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES		

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 fresh record of SPS 6,59 and Notation E.S. (with date) when the survey has been completed, subject to main condenser ferrules being renewed before the end of 6,60 (12 months).

Date of Committee THURSDAY 17 SEP 1959
Decision As now subject, SPS 6,59

James S. Cook 2020
Engineer Surveyor to Lloyd's Register of Shipping
J.S. Cook

Noted for Header

Lloyd's Register Foundation
008751-008752-00914

If certificate is required state where to be sent.

32 ~~Electrical Independent Pumps (Identify by position)~~ Main circulating pump (port) Aux. circulating pump (Stbd. aft) Forward aux. feed pumps

33 Bligs, Ballast & Oil Fuel Station 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 Two Good Tested 37 Heaters (state service) _____

38 Independent Air Compressors, Coolers & Safety Devices Electrically driven (Stbd. aft) Good.

39 Air Receivers & Safety devices - Main _____ 40 Auxiliary _____

41 ~~Overhead Tanks (Identify by position)~~

42 Evaporators Good 43 Have Evaporator Safety Valves been tested under steam? No.

44 Steering Machinery _____ 45 Windlass _____ 46 Fire Extinguishing Arrangements _____

AUXILIARY ENGINES (Identify by position)

N^o1 (port forward) and N^o2 (port aft) turbo generator aux. engines in their entirety.

Both Good.

ELECTRICAL EQUIPMENT			AUXILIARY EQUIPMENT	
PROPULSION	PORT	STARBOARD		
a Generators	---	---	l Generators & Governors	<u>Good.</u>
b Exciters	---	---	m Motors	<u>Good.</u>
c Air Coolers	---	---	n Switchboards & Fittings	<u>Good.</u>
d Motors	---	---	o Circuit Breakers	<u>Good.</u>
e Air Coolers	---	---	p Cables	<u>Good.</u>
f Control Gear, Cables, etc.	---	---	q Insulation Resistance	<u>Good.</u>
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 or PRESS _____

Superheaters _____

Safety Valves _____

Mountings, Doors & Fastenings _____

Safety Valves Adjusted to { Set. _____
Spt. _____

Boiler Securing Arrangements _____

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 _____

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Yes (steel) Auxiliary (over 3 in. bore) Yes

Were Copper Pipes annealed? Yes 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)

S.R.L. 1- Main condenser ferrules noted to be heavily corroded. Condenser tested and proved tight and considered efficient in the meantime but it is submitted that the following subject of class be raised Subject to main condenser ferrules being renewed before the end of 6,60 (12 months).

Wear and tear repairs:- New bottom casting fitted to distiller.

Minor repairs to pumps and main manœuvring valves.

LEAVE THIS SPACE BLANK

Survey fees Decking

(Part E.S.) & SPS 4,900.00

Spec. Atte. Fees 1,800.00

Damage fee \$ _____

Expenses \$ 2,000.00

Date when A/o rendered 10th July, 1959

Register Foundation