

Rpt. 9

Date of writing report 29th July, 1958

Received London

Port of GENOA

No. 33724

Survey held at GENOA

No. of visits 15

First date 19/9/57

Last date 24/7/58

## REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 18468 Name ~~XXX~~ "LIVERPOOL" Gross tons 14050 Date of build 1921  
Owners Steamship Interprises of Panama Inc. Managers - Port of Registry Panama  
Engines made 1921 By Newport Ns S.B. & D.D. Co. -Newport News. Type T  
No. of Main Engines 1 No. of Screws 2  
No. of Main Boilers 3 SB W.P. 200 lbs.  
No. of Aux./Donkey Boilers - W.P. -  
Surveyed Afloat or in Dry Dock afloat  
Nature of Survey Comm. E.S. & B.S.  
Was Damage Report issued? - Int. Cert.? yes  
Last Report (For Head Office only) 145991

Records of Survey & Special Notations as per Register Book

Hull	Machinery
100A1 Carrying petroleum in bulk.	LMC 12/53
SS 12/53	BS 8/56
Dkg 8/56	TS p 8/56
	CLs 11/53
	SP 12/53

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	H.P. L.P. & I.P. = Good.	H.P. I.P. & L.P. = Good.	
2 Valves & Gears	Do Good.	Do Good.	
3 Connecting Rods, Top Ends & Guides	All = Good.	All = Good.	
4 Crankpins & Bearings	All = Good.	All = Good.	
5 Journals & Bearings	All = Good.	All = Good.	
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			
18 <del>MANIFOLD VALVES</del>			
19 <del>EXHAUST VALVES</del>			
20 <del>SCAVENGE PUMPS</del>			
21 <del>SCAVENGE BLOWERS</del>			
22 <del>REDUCTION GEARING</del>			
23 THRUST BLOCKS, SHAFTS & BEARINGS	Good.	Good.	
24 INTERMEDIATE SHAFTS & BEARINGS	Good.	Good.	
25 HOLDING DOWN BOLTS & CHOCKS	Good.	Good.	
26 CONDENSERS (MAIN & AUX.)	Tested = Good.	Good.	
27 <del>STEAM ENGINE VALVES</del>			
28 <del>BE SUPERCHARGERS</del>			
29 STOP & MANOEUVRING VALVES	Good.	Good.	
30 MAIN ENGINE DRIVEN PUMPS	Air Good.	Air Good.	
31 <del>CHAMBER DOORS &amp; EXPLOSION RELIEF DEVICES</del>			

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this ship, as now seen, is in good and safe working condition and eligible, in my opinion, to remain as Classed with fresh records of E.S. & M.B.S. with dates, when the surveys have been completed.

Date of Committee Decision

THURSDAY 20 NOV 1958

50m, 6, 56. T. (MADE AND PRINTED IN ENGLAND.)

(W. Filmer Lee),

Engineer Surveyor to Lloyd's Register of Shipping

Foundation

003720-003726-0043



Aft. feed pump.- Centre feed pump.- Forward feed pump.- Condenser extraction pump.- G.S. pump.-  
32 Essential Independent Pumps (Identify by position) P. & S. S.W. circulating pump.- O.F. transfer pump forward Hold.- O.F. pressure  
pumps = Good.  
33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls Good.- But see note below for completion.  
34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? yes

35 ~~Flash Water Coolers~~ 36 ~~Distillate Coolers~~ 37 Heaters (state service) Feed & O.F. tested = Good.  
38 ~~High Pressure Air Compressor, Control & Safety Devices~~  
39 ~~Air Receiver & Safety valves Main~~ 40 ~~Auxiliary~~  
41 ~~Oil Fuel Tank for power plant & boiler~~  
42 Evaporators Good. 43 Have Evaporator Safety Valves been tested under steam?  
44 Steering Machinery Good. 45 Windlass Good. 46 Fire Extinguishing Arrangements

AUXILIARY ENGINES (Identify by position) P. & S. S.W. circ.pump engines, 3 Generator engines.  
The two F.D. fan engines = Good.

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD	AUXILIARY EQUIPMENT	
a Generators		l Generators & Governors	Good.
b Exciters		m <del>Distillate</del>	
c Air Coolers		n Switchboards & Fittings	Good.
d Motors		o Circuit Breakers	Good.
e Air Coolers		p Cables	Good.
f Control Gear, Cables, etc.		q Insulation Resistance	Good.
g Insulation Resistance		r <del>Steering Gear, Safety Valves &amp; Motors</del>	
h Insulating Oil Test		s Navigation Light Indicators	Good.
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 Starboard 21/10/57 - Centre 22/10/57 AUXILIARY, DONKEY or PRESS  
Port 30/10/57 = Good.

~~Superheaters~~

Safety Valves Good.  
Mountings, Doors & Fastenings Good.  
Safety Valves Adjusted to { Sat. not adjusted  
Spr.  
Boiler Securing Arrangements Good.

~~Exhaust Gas Heaters~~

~~Exhaust Gas Heaters~~

~~Steam Heated Jacket Circulators~~

~~Steam Heated Jacket Circulators~~

Were Oil Burning System & Remote Controls examined working in accordance with Rules?

~~Exhaust Gas Heaters~~

~~Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?~~

Funnel

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main NOT DUE. 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 :- Engine Special and Boiler surveys now commenced.

The following items remain to complete the E.S:- Docking and sea connections.- Pumping arrangements under working conditions.- Fire extinguishing arrangements.- Evaporator S.Vs to adjust.-

To complete the Boiler survey the boilers require to be examined under steam and the safety valves adjusted.-

NOTE:- This ship is at present laid up at this Port.- The Owners Superintendent states that it is proposed to complete these surveys together with the port screwshaft survey, prior to the ship being again placed in service.

WEAR AND TEAR REPAIRS :- Port main engine :- All main bearings re-metalled.- Bed of crankshaft in bearings examined and found satisfactory.- Port main engine and bottom ends re-metalled.- Valve rods lightly skimmed & guide bushes renewed.- Stbd main engine:- Two main bearings re-metalled.- Bed of crankshaft in bearings examined and found satisfactory.- Valve rods lightly skimmed & guide bushes renewed.- Port condenser :- A number of tubes found thinned at ends now renewed and condenser examined under test on completion and found satisfactory.-  
All pumps now examined overhauled and renewals made as found necessary.

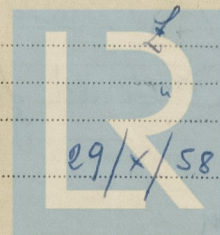
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Survey fees Comm. ES = £ 11-2-0  
B.S. = £ 34-6-0  
ELECTR EQUIP. = £ 21-9-0

Damage fee

TRAV. & OFFICE Expenses...

Date when A/c rendered.



28-11-2020

Lloyd's Register Foundation

London 6/8