

Rpt. 9

25963

Date of writing report 3rd May, 1961 Received London Port of Genoa No. 25963  
Survey held at Genoa No. of visits 6 First date 13/4/61 Last date 22/4/61

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 79871 Name M.V. "SERGIO LAGHI" Gross tons 10495 Date of build 1942  
Owners A.G.I.P. S.p.A. Managers "SNAM" Soc.Naz.Metanodotti SpA Port of Registry Genoa  
Engines made 1942 By C.R.D. Adriatico, Trieste. Type Oil engine 2SA 9Cy.-Salzer  
No. of Main Engines 1 No. of Screws 1 Records of Survey & Special Notations as per Register Book  
No. of Main Boilers W.P. Hull Machinery  
No. of Aux./D/K Boilers 2 W.P. 185 lbs. 100A1 oil tanker LMC CS 12/59  
Surveyed Afloat or in Dry Dock both. SS(Dr) 11/55 12/59 BS A 12/59  
Nature of Survey CS, ABS, DS, Rpts. DS 12/59 TS CL 12/58  
Was Damage Report issued? - Int. Cert.? Yes. SPS 11/55  
Last Report (For Head Office only)

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.

now  
Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?  
DOCKING Propeller good Wear Down of Stern Bushes 4 mm. Oil Glands Sea Connections not exd.  
Fastenings outside-good Has Screwshaft 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 (KICKER I.C.) ROBT STEEL  
1 Cyls., Covers, Pistons & Rods No 2, 3, 5 & 6 - good.  
2 Valves & Gears No 2, 3, 5 & 6 - good.  
3 Connecting Rods, Top Ends & Guides No 3 - good.  
4 Crankpins & Bearings No 2 & 3 - good.  
5 Journals & Bearings No 7 - 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  
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) - good (H. tested).  
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?  
OPINION OF MACHINERY AND RECOMMENDATIONS. The machinery of this vessel, so far as now surveyed, is in efficient condition and eligible, in my opinion, to remain as Classed with fresh record of CS(with date) on completion of survey, and ABS 4.61.

If certificate is required state where to be sent

Date of Committee THURSDAY - 8 JUN 1961  
Decision ABS 4.61



32 Essential Independent Pumps (Identify by position) Inboard S.W. main circulating pump, ED = Aft F.W. main circulating pump, ED = 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

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, ~~BOILER PRESS~~ both - good.

examined = 22/4/61

Superheaters

of both - good.

Safety Valves

of both - good.

Mountings, Doors & Fastenings

of both - 170 lbs. sq. "

Safety Valves Adjusted to { Sat.  
Spt.

of both - good.

Boiler Securing Arrangements

Exhaust Gas Heated Economisers

Main Economisers

Steam Generator Safety Valves Adjusted to

Steam Heated Steam Generators

Were Oil Burning System & Remote Controls examined working in accordance with Rules? yes (in order) • 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

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

Main engine : N° 2 & 3 cylinder liners renewed for wear.

N° 6 piston crown renewed for wastage. New liners and piston crown duly tested.

Piston rings renewed.

N° 3 bottom end bearing upper half and N° 7 main bearing lower half found with the white metal cracked now remetalled.

Crankshaft deflection readings have been taken and found or now placed in order.

Inboard S.W. main circulating pump : impeller shaft rebushed.

Aux. steam condenser : leaks at various tubes have been satisfactorily repaired. Tested the condenser on completion of repairs.

Port outboard electric generator : commutator found worn and grooved has now been skimmed.

The external light cables on the bridge house found wasted have now been renewed.

The tube nests of the purifier steam heaters have now been renewed and tested on completion.

Other minor repairs for maintenance routine satisfactorily carried out.

Survey fees

DS = £6000 @ 15% = 5100

CS = £20000 " " = 20400

ARF = £35000 " " = 29750

RPRS

£8000 " " = 6800

Damage fee

Expenses...

(See Rpt 8)

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Date when A/c rendered

4/5/61

Lloyd's Register  
Foundation