

Rpt. 9

Date of writing report 20th May, 1958

Survey held at GENOA

Received London

No. of visits 8

Port of GENOA

First date 18/4/58

Last date 2/5/58

No. 23305

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 18813 S.S. "LUCANIA"
Owners FRATELLI GRIMALDI Managers - Gross tons 6723 Date of build 1930
Engines made 1930 By Cammell Laird & Co.Ltd. Port of Registry Naples.
Type 6 steam turbines
No. of Main Engines 6 No. of Screws 2
No. of Main Boilers 6 WTB W.P. 370 lbs.
No. of Aux/Donkey Boilers 2 W.P. 200 lbs.
Surveyed Afloat or in Dry Dock both
Nature of Survey E.S., Part B.S., Docking.
Was Damage Report issued? - Int. Cert.? Yes.
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

| Hull | Machinery |
|--------------|-------------|
| BS+ with fbd | MBS+ 6/53 |
| SS 6/53 | BS M 5/57 |
| Dkg 10/57 | d 5/57 |
| | TS CL p2/57 |
| | S5/56 |
| | SP 2/57-- |

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 3.8mm.-S 4.2mm. ~~on crank~~ Sea Connections -
Fastenings good Has Screwshaft/Tubeshaft been drawn? Stbd yes. Date of Examination 30.4.58 † Has Shaft been changed? No.
Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? yes Approved oil gland? -
MAIN ENGINES (Recip. Steam or I.C.) 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 good good
25 HOLDING DOWN BOLTS & CHOCKS
26 CONDENSERS (MAIN & AUX.)
27 STEAM RE-HEATERS
28 DE-SUPERHEATERS see over
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 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. 5.58, 7 TS CL (Stbd) 4.58 now, and M.B.S. 4.58 when the survey has been completed, subject to the stbd screw and tube shafts being renewed before the end of May, 1959 and to the new desuperheater installation being examined under working conditions on the vessel's return to Genoa from present voyage (2 months limit).

Date of Committee

Decision

THURSDAY 26 JUN 1958

ES 2,57 subject

Noted for Header

(W. Filmer Lee)

Engineer Surveyor to Lloyd's Register of Shipping

32 Essential Independent Pumps (Identify by position) Port and Stbd main condenser circ.pumps & turbines, Elect. driven aux. condenser air pump = good.
33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls good.
34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? yes
35 Fresh Water Coolers 36 Lub. Oil Coolers 37 Heaters (state service) Feed = good.
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 good.

AUXILIARY ENGINES (Identify by position)

| PROPULSION | | ELECTRICAL EQUIPMENT | |
|------------------------------|-----------|----------------------|---------------------------------------|
| 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 Port & Stbd aft., Port & Stbd centre 23/5/58 good.
AUXILIARY, DONKEY or PRESS
Superheaters good.
Safety Valves good.
Mountings, Doors & Fastenings Port & Stbd aft. good.— Port & Stbd centre NOT OPENED FOR EXAMINATION.
Safety Valves Adjusted to { Sat. Not adjusted
Spt. Not adjusted.
Boiler Securing Arrangements good.
~~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? ~~Power Circulating Pump~~
~~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)

The following also examined and found or now placed in good condition.
Port and Stbd main air ejectors, Distiller tested.

NOW DONE : Engine Special Survey now completed and Main Boiler Survey commenced.

SCREWSHAFT SURVEY. Condition of Class. The stbd screw and tube shafts drawn and examined. Screws shaft cone end and corrosion at aft.end of tube shaft Magnaflux tested and found in order. The screws shaft and tubes shaft liners found somewhat pitted. It is recommended that the stbd screw and tube shafts be renewed before the end of May, 1959. The Owners superintendent stated that new shafts were now in order and that these would be fitted as soon as received.

WEAR AND TEAR REPAIRS : Boilers. Port aft. and stbd centre.

A number of superheater tubes in the port aft.and stbd centre boilers found sagged and distorted now renewed (102 in port aft.boiler and 18 in stbd centre).

The boilers were examined under hydraulic test after repairs and found satisfactory.

ALTERATION.— A new desuperheater in accordance with the enclosed plan, has been installed in place of the original. This desuperheater was examined under construction and on completion was examined under hydraulic test prior to installation on board.

It is recommended that the new desuperheater installation be examined under working conditions on the vessel's return to Genoa from present voyage (2 months limit).

LEAVE THIS SPACE BLANK

Survey fees COMPLETION E.S. = Lt 32000.
PART B.S. = Lt 84000.
D.S. = Lt 4000.
T.S. = Lt 9,000.
Rpm. & Alter. Damage fee ... Lt 32,000 =

Expenses...
Date when A/c rendered 34/5/58

Date when A/c rendered



© 2021

Lloyd's Register Foundation