

WRECK  
Rpt. 9  
SECTION

25 NOV 1960  
36 1/42

Date of writing report 14th Nov. 1960.

Received London

Port of ANTWERP.

Survey held at Antwerp.

No. of visits 5.

First date 28.10.60. Last date 10.11.60.

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 52258. Name M.V. "ARIETTA"  
Owners Livanos Maritime Co. Ltd. Managers --  
Engines made 1941 By N.E. Marine Eng. Co. Ltd. Type T 3Cy.  
Gross tons 7460 Date of build 1941-10.  
Port of Registry Piraeus.

No. of Main Engines 1 No. of Screws 1  
No. of Main Boilers 3 SB W.P. 220 lb.  
No. of Aux./Donkey Boilers -- W.P. --

Surveyed Afloat or in Dry Dock Afloat.  
Nature of Survey Boiler Repairs & Compl. MBS  
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.*		MBS.*	10/59.
SS.	10/59.	MBS.	10/59.
Dkg.	7/60.	TS. CL.	7/60.
		SPS.	10/59.

No. 3335 - yka

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 .....  
 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 .....

MAIN ENGINE DRIVEN SCAVENGE PUMPS  
 10 Coolers & Safety Devices .....

SCAVENGE BLOWERS  
 17 SUPERCHARGERS

MAIN TURBINES  
 18 Casings, Rotors, Blading, Bearings & Thrusts .....

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.)

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? .....

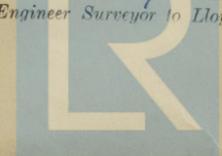
OPINION OF MACHINERY AND RECOMMENDATIONS The Machinery of this vessel, so far as now seen, is in safe working order and eligible in my opinion to remain as classed with fresh record of MBS. 7/60 now, as previously recommended.

Date of Committee THURSDAY - 8 DEC 1960  
Decision MBS 7/60

30m.6.55. T. (MADE AND PRINTED IN ENGLAND.)

Noted for Header

W. Williams  
N. WILLIAMS  
Engineer Surveyor to Lloyd's Register of Shipping



Lloyd's Register Foundation

002550-002558-0223

Has a Survey also been had on Ship? If so, is the Report sent now, or when will it be sent?

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..... 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 or PRESS.....

Superheaters.....

Safety Valves.....

Mountings, Doors & Fastenings.....

Safety Valves Adjusted to Sat. Port, Starbd. & Centre: -220lbs/sq. in.  
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? Yes..... Forced Circulating Pumps.....

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

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)

Complete. REPAIRS:- At request of the Owners Superintendent, the tubes at the combustion chamber end and smoke box end of all main boilers were examined and evidence of leakage, fairly heavy in a few cases was found in the port and starboard boilers but not the Centre boiler, this leakage had started, it was stated, at some time during the voyage just completed from Japan to Northern Europe.

As a consequence of the aforementioned leakages the following tubes renewals were now effected at the instigation of the Owners Representative (it is considered that in the majority of cases re-expanding or caulking would have sufficed those tubes removed, were examined and found in good order)

Port Boiler:- 245 plain tubes renewed.  
7 stay tubes renewed.

Stbd Boiler:- 8 plain tubes renewed.

Opportunity was taken to examine tube plates where exposed and some wastage between tube holes and scoring of tube holes in centre front tube plate of port boiler was repaired by electric welding. The completed repairs were examined and the port and stbd main boilers hydraulically tested to the working pressure with satisfactory results.

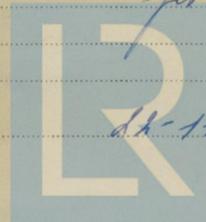
LEAVE THIS SPACE BLANK

Survey fees ... *Complete Pt a Rp 4*  
... *frs 6.000*

Damage fee ...

Expenses... ... *frs 500*

Date when A/c rendered... *11-11-60*



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