

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

11 JUL 1925

Date of writing Report *7.7.25* When handed in at Local Office *8/7/25* Port of *Trieste*
 Date, First Survey *May 20* Last Survey *June 27 1925*
 Reg. Book. *3186* on the *S.S. IZBADA*
 Built at *Sunderland* By whom built *W. Dorrance & Sons* Yard No. *✓* When built *1910*
 Owners *Manuka Romolva NO 1940* Port belonging to *Dubrovnik*
 Electric Light Installation fitted by *✓* Contract No. *✓* When fitted *1918*

System of Distribution *Single Wire (No 183 W.H ALLEN & Co LONDON. PATENT No 2776.)*
 Pressure of supply for Lighting *110* volts, Heating *—* volts, Power *—* volts.

Direct or Alternating Current, Lighting *Direct* Power *—*

Alternating current system, state frequency of periods per second *—*

Are the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off *YES. ✓*

Generators, do they comply with the requirements regarding overload *YES*, are they compound wound *—*

Do they over compound 5 per cent. *—*, if not compound wound state distance between each generator *—*

Are there more than one generator is fitted are they arranged to run in parallel *—*, is an adjustable regulating resistance fitted in *—*

Are there terminals with each shunt field *—*

Are all terminals accessible and clearly marked *—*, are they so spaced or shielded that they cannot be accidentally earthed, *—*

Are they short circuited *—* Are the lubricating arrangements of the generators as per Rule *YES*

Position of Generators *ENGINE ROOM.*

Is the ventilation in way of the generators satisfactory *YES.*, are they clear of all inflammable material *YES*

Are they situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators *—*

Are they and *—*, are the generators protected from mechanical injury and damage from water, steam or oil *YES*

Are their axis of rotation fore and aft *No*

Are the bedplates and frames of the generating plant efficiently earthed *YES* are the prime movers and *—*

Are the respective generators in metallic contact *YES*

Are the Switch Boards, where placed *IN ENGINE ROOM.*

If the generators and main switchboard are not placed in the same compartment, is each generator provided with *—*

Is there on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard *—*

Are the switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes *YES*

Are they protected from mechanical injury and damage from water, steam or oil *YES*, if situated near unprotected *—*

Are they near woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards *—* and *—*

Are they constructed wholly of durable, incombustible non-absorbent materials *YES*, is all insulation of high dielectric strength and of *—*

Are they permanently high insulation resistance *YES*, if semi-insulating material is used, are all conducting parts connected to one pole *—*

Are they insulated from the slab with mica or micanite and the slab similarly insulated from its framework *YES*, and is the *—*

Are they effectively earthed *YES* Are the following fittings as per Rule, viz.:— spacing or shielding of live parts *—*

Are they, accessibility of all parts *YES*, absence of fuses on back of board *YES*, proportion of omnibus *—*

Are they *5000.*, individual fuses to voltmeter, pilot or earth lamp *No*, connections of switches *—*

Are the Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches *—*

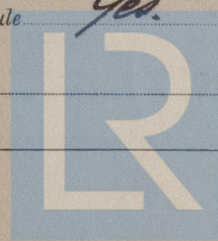
Single pole switches

Instruments on main switchboard *1* ammeters *1* voltmeters *—* synchronising device for paralleling purposes *—*

Are the Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system *NONE*

Are the Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules *yes.*

Are the Distribution and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule *yes.*



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If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office?

| Ref. No. | DESCRIPTION. | No. of Motors. | Effective Area of each Conductor. Sq. Ins. | COMPOSITION OF STRAND. | | Total Maximum Current. Amperes. | Approximate Length. (Lead and Return.) Feet. | Insulated with | HOW PROTECTED. |
|----------|---------------------------|----------------|--|------------------------|-----------|---------------------------------|--|----------------|----------------|
| | | | | No. | Diameter. | | | | |
| | BALLAST PUMP | | | | | | | | |
| | MAIN BILGE LINE PUMPS ... | | | | | | | | |
| | GENERAL SERVICE PUMP ... | | | | | | | | |
| | EMERGENCY BILGE PUMP ... | | | | | | | | |
| | SANITARY PUMP | | | | | | | | |
| | CIRC. SEA WATER PUMPS ... | | | | | | | | |
| | CIRC. FRESH WATER PUMPS | | | | | | | | |
| | AIR COMPRESSOR | | | | | | | | |
| | FRESH WATER PUMP | | | | | | | | |
| | ENGINE TURNING GEAR ... | | | | | | | | |
| | ENGINE REVERSING GEAR ... | | | | | | | | |
| | LUBRICATING OIL PUMPS | | | | | | | | |
| | OIL FUEL TRANSFER PUMP | | | | | | | | |
| | WINDLASS | | | | | | | | |
| | WINCHES, FORWARD | | | | | | | | |
| | WINCHES, AFT | | | | | | | | |
| | STEERING GEAR | | | | | | | | |
| | WORKSHOP MOTOR | | | | | | | | |
| | VENTILATING FANS | | | | | | | | |

All Conductors are of annealed copper conforming to British Standard Specification No. 7.
The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
The foregoing is a correct description.

Electrical Engineers.

Date

COMPASSES.

Distance between electric generators or motors and standard compass

107 5

Distance between electric generators or motors and steering compass

100 5

The nearest cables to the compasses are as follows:—

A cable carrying 1.5 Ampères 10 feet from standard compass 7 feet from steering compass.

A cable carrying 1.4 Ampères 9 feet from standard compass 7 feet from steering compass.

A cable carrying 0.2 Ampères — feet from standard compass IN THE feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted

The maximum deviation due to electric currents was found to be degrees on course in the case of the standard compass, and degrees on course in the case of the steering compass.

Builder's Signature.

Date

Is this installation a duplicate of a previous case No If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.) This installation has not being fitted under special survey hull has been now examined throughout and found in good condition. The installation has been tested under full working condition and with 25% overload for 2 hours with satisfactory results.

It is submitted that this vessel is eligible for THE RECORD. Elec. light.

Total Capacity of Generators 6 Kilowatts

The amount of Fee

£ 780 -

When applied for, 8/7/25

Travelling Expenses (if any) £

When received, 8/8/25

Committee's Minute

FRI. 31 JUL 1925

Assigned

Surveyor to Lloyd's Register of Shipping.



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