

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report *Jan 30 1926* When handed in at Local Office *Feb 2 1926* Port of *Trieste* Received at London Office *11.12.26*

No. in Survey held at *Moufalcone* Date, First Survey *18/2/1925* Last Survey *13/1/1926*  
Reg. Book. *20767* on the *M. S. Giulia* (Number of Visits. *two*)

Tons { Gross *5929*  
Net *3737*

Built at *Moufalcone* By whom built *Ant. Nav. Triest.* Yard No. *138* When built *1925*

Owners *Com. Soc. Triest. di Navigaz.* Port belonging to *Trieste*

Electric Light Installation fitted by *Ant. Navale Triestino* Contract No. When fitted *1926*

System of Distribution *Double pole* ✓

Pressure of supply for Lighting *110* ✓ volts, Heating *220* ✓ volts, Power *220* ✓ volts.

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

If alternating current system, state frequency of periods per second *✓*

Has 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 *yes* ✓

are they over compounded 5 per cent. *yes* ✓, if not compound wound state distance between each generator *✓*

Where more than one generator is fitted are they arranged to run in parallel *yes* ✓, is an adjustable regulating resistance fitted in

series with each shunt field *yes* ✓

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

or short circuited *yes* ✓ Are the lubricating arrangements of the generators as per Rule *yes* ✓

Position of Generators *In Engine room platform. 2 generators port, one starb.* ✓

is the ventilation in way of the generators satisfactory *yes* ✓, are they clear of all inflammable material *yes* ✓

if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators

*✓* and *✓*, are the generators protected from mechanical injury and damage from water, steam or oil *yes* ✓

are their axis of rotation fore and aft *yes* ✓

Earthing, are the bedplates and frames of the generating plant efficiently earthed *yes* ✓ are the prime movers and

their respective generators in metallic contact *yes* ✓

Main Switch Boards, where placed *in Engine room port* ✓

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

a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard *✓*

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

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

permanently high insulation resistance *Slate* ✓, if semi-insulating material is used, are all conducting parts connected to one pole

insulated from the slab with mica or micanite and the slab similarly insulated from its framework *both poles are insulated* ✓, and is the

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

*yes* ✓, accessibility of all parts *yes* ✓, absence of fuses on back of board *yes* ✓, proportion of omnibus

bars *yes* ✓, individual fuses to voltmeter, pilot or earth lamp *yes* ✓, connections of switches *yes* ✓

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches *Each generator*

*has a two pole automatic circuit breaker with interlocked switches for*

*equalizer. Automatic switch to one pole and a link switch and fuse*

*on other pole for each circuit for power. Double pole link switches with fuses*

*to each pole for steering engine, heating, and light. A double pole link*

*switch alternate for Rotary transformer as to charge the accumulators with*

*fuses to each pole. 12 ammeters 5 voltmeters 1 synchronising device for paralleling purposes.*

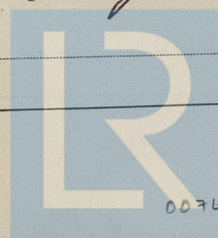
Instruments on main switchboard

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system *contacts for*

*Voltmeter*

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

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



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Foundation

003474-003485-0358 1/2







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.

Cantiere Navale Triestino

*[Signature]*

Electrical Engineers.

Date

#### COMPASSES.

Distance between electric ~~generators or~~ motors and standard compass 30 feet

Distance between electric generators or motors and steering compass 35 feet

The nearest cables to the compasses are as follows :—

A cable carrying 6 Ampères 8 feet from standard compass 8 feet from steering compass.

A cable carrying Ampères feet from standard compass feet from steering compass.

A cable carrying 0.3 Ampères in the 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. yes

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted. no

The maximum deviation due to electric currents was found to be 1/2 degrees on 1/2 course in the case of the standard compass, and 1/2 degrees on 1/2 course in the case of the steering compass.

Cantiere Navale Triestino

*[Signature]*

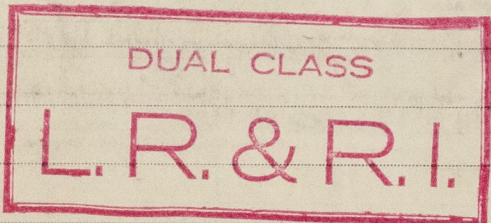
Builder's Signature.

Date

Is this installation a duplicate of a previous case. no If so, state name of vessel 1/2.

General Remarks (State quality of workmanship, opinions as to class, &c.)

This installation has been made in accordance with the Rule. The material and workmanship are good; the whole installation and generators have been tested under full working condition and found satisfactory.



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

*[Signature]*  
12/2/26

Total Capacity of Generators 198 Kilowatts

The amount of Fee ... £4383. When applied for, 1/21 1926  
Travelling Expenses (if any) £ : : When received, 16-4-26

*[Signature]*  
Surveyor to Lloyd's Register of Shipping

Committee's Minute TUES. 16 FEB 1926

Assigned

*[Signature]*  
Elec. light