

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office... FRI. 2 FEB. 1923

Date of writing Report 19. 1. 23 When handed in at Local Office Jan 29. 1923 Port of TRIESTE

No. in Survey held at GRAVOSA TRIESTE Date, First Survey Jan 12 Last Survey Jan 17 1923  
Reg. Book. 73805 on the S/S. "SARGJ"

(Number of Visits... three...)

Tons { Gross 3644  
Net 3354

Built at SOUTH SHIELDS By whom built J. READHEAD &amp; SONS Yard No. ✓ When built 1905

Owners DUBROVACKA PARABRODSKA PLOV. Port belonging to RAGUSA

Electric Light Installation fitted by MESSRS ING. MAURO &amp; C. TRIESTE Contract No. ✓ When fitted 1923

## System of Distribution

DOUBLE WIRE SYSTEM

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

Direct or Alternating Current, Lighting DIRECT Power ✓

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 ✓

Generators, do they comply with the requirements regarding overload yes ✓, are they compound wound ✓

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

Where more than one generator is fitted are they arranged to run in parallel ✓, 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 BOTTOM PLATFORM

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 NEAR DYNAMO

✓ 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 yes ✓, 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 ✓, 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

DOUBLE POLE SYSTEM

Instruments on main switchboard 1 ammeters 1 voltmeters ✓ synchronising device for paralleling purposes.

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

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



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.

*Ing. Romano Mairo & Co.*  
*Electricity*

Electrical Engineers.

Date

25/1/23

#### COMPASSES.

Distance between electric generators or motors and standard compass

84'

Distance between electric generators or motors and steering compass

80'

The nearest cables to the compasses are as follows:—

A cable carrying 4 Ampères 9' feet from standard compass 6' feet from steering compass.

A cable carrying 0.75 Ampères 4' feet from standard compass 4' feet from steering compass.

A cable carrying 0.25 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 *NONE*

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 *✓* If so, state name of vessel *✓*

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. It has been tested and found satisfactory.*

**It is submitted that  
this vessel is eligible for  
THE RECORD.**

*Elec. Light.*

*A.H.D.*  
*2/2/23*

Total Capacity of Generators *5.45* Kilowatts

The amount of Fee

*Net. Lic. 5.90.-*

When applied for,  
*Jan 29 19 23*

Travelling Expenses (if any) £

When received,  
19

*St. J. P. P. P.*  
Surveyor to Lloyd's Register of Shipping

Committee's Minute

Assigned

Im. 122—Transfer.  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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