

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 9/4/23 19 When handed in at Local Office 16.4.1923 Port of Glasgow

No. in Survey held at GLASGOW Date, First Survey 19.10.1922 Last Survey 3.4.1923
Reg. Book. 78465 on the S.S. "CONTE VERDE" (Number of Visits 15)Built at DALMUIR By whom built W^m BEARDMORE & CO Yard No. 612 When built 1923
Tons { Gross 18,000
Net 10,000

Owners LLOYD SABUDO SOC. ANON. PER AZUARA belonging to GENOA

Electric Light Installation fitted by W^m BEARDMORE & CO Contract No. 612 When fitted 1923

System of Distribution 2-WIRE

Pressure of supply for Lighting 110 volts, Heating 110 volts, Power 110 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 Refrigerating Machinery Space Hold

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 —

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

Remote Control Switchboard Refrigerating Machinery Space Hold

Main Switch Boards, where placed

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 Each Generator

is protected by a D.P. Circuit Breaker having an equalising switch and having the usual

over load and Reverse current trips.

Instruments on main switchboard 3 ammeters 3 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 Heabaga Indicator

and earth 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

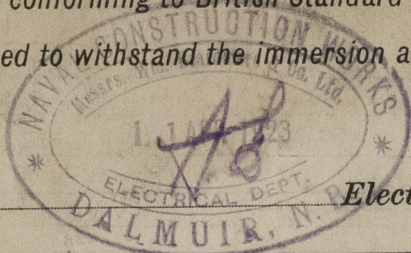
If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office.....

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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 11/4/23

COMPASSES.

Distance between electric generators or motors and standard compass Main dynamos 245 ft
Emergency Dynamo 182 ft Nearest motor 40 ft
Distance between electric generators or motors and steering compass Main dynamos 240 ft
Emergency Dynamo 174 ft Nearest motor 36 ft

The nearest cables to the compasses are as follows:—

A cable carrying 3.2 Ampères 16 feet from standard compass 13 feet from steering compass.

A cable carrying 10.0 Ampères 16 feet from standard compass 13 feet from steering compass.

A cable carrying 2.3 Ampères 16 feet from standard compass 13 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

The maximum deviation due to electric currents was found to be Nil degrees on ALL course in the case of the standard

compass, and Nil degrees on Steering course in the case of the steering compass.

FOR WILLIAM BEARDMORE & CO., LIMITED.

A. J. Campbell Builder's Signature.

Date 11/4/23

Is this installation a duplicate of a previous case Yes If so, state name of vessel T.S.S. "CONTE ROSSO"

General Remarks (State quality of workmanship, opinions as to class, &c. This installation has

been fitted on board under special survey. Tested under full working conditions & found satisfactory in every way. The workmanship was found to be good & sound.

It is submitted that
the vessel is eligible for
the RECORD. Elec Light.
J.S.R. 17/4/23

Total Capacity of Generators 285 Kilowatts

The amount of Fee ... £ 38 12.6. When applied for, 7.4. 23.

Travelling Expenses (if any) £ :

When received, 10.4. 23. J.S.R.

J.S. Rankin
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 17 APR 1923

Assigned Elec. Lights



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