

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

16 MAY 1928

Received at London Office.....

Date of writing Report 27. 4. 1928 When handed in at Local Office 12. 5. 1928 Port of GLASGOW.

No. in Survey held at GREENOCK. Date, First Survey 4. 4. 28 Last Survey 26. 4. 28 19
Reg. Book. (Number of Visits.....)39867 on the S. S. ANTIGONE. Tons { Gross 4545
Net

Built at GLASGOW. By whom built MESSRS NAPIER & MILLER LTD Yard No. 265 When built 1928

Owners NEW EGYPT & LEVANT SHIPPING CO LTD Port belonging to LONDON.

Electric Light Installation fitted by MESSRS THE SUNDERLAND FORGE & CO Contract No. 265 When fitted 1928.

System of Distribution

Double Wire

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 Yes

Generators, do they comply with the requirements regarding rating 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 —, is an adjustable regulating resistance fitted in series with each shunt field —

Are all terminals accessible, clearly marked, and furnished with sockets Yes, are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Yes

Are the lubricating arrangements of the generators as per Rule Yes

Position of Generators

In Main Engine Room

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 axes 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 Main Engine Room beside Main Generator.

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, non-ignitable 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 insulated from the slab

with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework Yes

and is the frame effectively earthed Yes. Are the fittings as per Rule regarding: — 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 Switch & Fuses on Main Generator

S.P. Switch & D.P. Fuses on each outgoing circuit.

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

Lamp Switch & Fuse on each Pole.

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

Joint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule Yes.



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W232-0025(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.

P. pro. THE SUNDERLAND FORGE & ENG. CO. LTD., Electrical Engineers. Date 2.5.28.

COMPASSES.

Distance between electric generators ~~on motors~~ and standard compass 130 feet.
Distance between electric generators ~~on motors~~ and steering compass 126 feet.
The nearest cables to the compasses are as follows:—
A cable carrying 3.2 Ampères 6 feet from standard compass 6 feet from steering compass.
A cable carrying 0.18 Ampères 2 feet from standard compass 2 feet from steering compass.
A cable carrying Ampères feet from standard compass 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 yes
The maximum deviation due to electric currents was found to be nil degrees on course in the case of the standard compass, and nil degrees on course in the case of the steering compass.

For NAPIER & MILLER, LIMITED.

John F. Goodwin
DIRECTOR

Builder's Signature. Date 5th May 1928.

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 been fitted on board under special survey. Tested under full load conditions & found satisfactory. The materials & workmanship were found to be good and sound.

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

2/5/28.

Total Capacity of Generators 10 Kilowatts.

The amount of Fee ... £ 10.0.0 : { When applied for, 7.5.28.
Travelling Expenses (if any) £ 10.6 : { When received, 9.5.28.

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

Committee's Minute GLASGOW 15 MAY 1928

Assigned Elec. Light.



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