

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

14 JAN 1930

Received at London Office.....

Date of writing Report 10th Jan^y 1930 When handed in at Local Office 13th Jan^y 1930 Port of LeithNo. in Survey held at Burntisland Date, First Survey 18th Nov 1924 Last Survey 9th Jan^y 1930
Reg. Book. (Number of Visits 7)

43015 on the s/s "ZOUAVE"

Tons { Gross 4253
Net 2628

Built at Burntisland By whom built Burntisland S.B. Co. Yard No. 158 When built 1930

Owners The Zinal Steamship Co. Ltd. Port belonging to London

Electric Light Installation fitted by Burntisland S.B. Co. Ltd. Contract No. ✓ When fitted 1930

System of Distribution

Two 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

Engine Room Stbd side

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
3 feet 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 Bolted direct to Earth are the prime movers and their respective generators in metallic contact Yes

Main Switch Boards, where placed

Engine Room Stbd side

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 3 feet 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 Bolted direct to Earth 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 one Double

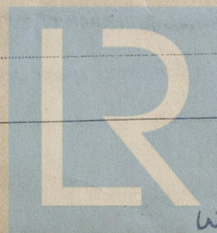
Pole Main Switch 30 amp capacity, and 30 amp Single Pole Switches for outgoing circuits.

Instruments on main switchboard one ammeters one 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 Two Earth lamps

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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W229-0033

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.

FOR THE BURNTISLAND SHIPBUILDING COMPANY LTD.

W. J. D. G. Electrical Engineers.
MANAGING DIRECTOR.

Date 10/1/30

COMPASSES.

Distance between electric generators or motors and standard compass

119 ft.

Distance between electric generators or motors and steering compass

105 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 36 Ampères 7" feet from standard compass 7" feet from steering compass.

A cable carrying Ampères feet from standard compass 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 any course in the case of the standard compass, and Nil degrees on any course in the case of the steering compass.

FOR THE BURNTISLAND SHIPBUILDING COMPANY LTD.

W. J. D. G. Builder's Signature.
MANAGING DIRECTOR.

Date 10/1/30

Is this installation a duplicate of a previous case Yes If so, state name of vessel 7/5 "Zitella"

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

This installation has been efficiently fitted on board in accordance with the Rules.

The Materials & workmanship are sound & good, & the installation was found satisfactory under full load & working conditions.

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

Elec. Light

J. M.

14/1/30.

Total Capacity of Generators 7 Kilowatts.

The amount of Fee ... £ 4 0 0

When applied for,

13th Jan 1930.

Travelling Expenses (if any) £ :

When received,

14th Feb 1930.

John Houston
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Elec Light



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