

Rpt. 13.

No. 46666

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report 4.4.1927. When handed in at Local Office 6.6.1927 Port of GLASGOW. - 8 JUN 1927

No. in Survey held at GREENOCK. Date, First Survey 7th Apr Last Survey 10th May 1927
Reg. Book. (Number of Visits.....6.....)38014 on the S. S. "ALEKSANDAR I" Tons { Gross 5948
NetBuilt at PORT GLASGOW. By whom built MESSRS LITHGOWS L^{TD} Yard No. 460 When built 1927.

Owners JUGOSLAY AMERICAN NAV. CO. Port belonging to SPLIT.

Electric Light Installation fitted by MESSRS TELFORD GRIER & MCKAY L^{TD} Contract No. 460 When fitted 1927.

System of Distribution Two Wire ✓

Pressure of supply for Lighting 110 ✓ volts, Heating — 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 —, 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 Generator Engine Room Starboard 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

— 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 on Bulkhead beside 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, incombustible non-absorbent materials yes, is all insulation of high dielectric strength and of permanently high insulation resistance slate slab.

insulated from the slab with mica or micanite and the slab similarly insulated from its framework yes, 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 Switch and 2 Single Pole Fuses for Generator Circuit
Single Pole Switch and 2 Single Pole Fuses for each outgoing Circuit.

Instruments on main switchboard one ammeter one voltmeter — 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

Switch fuse & lamp in series between each bus bar and earth.

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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[illegible]

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.

TELFORD, GRIER & MACKAY, LTD.

Electrical Engineers.

Date 2-6-27.

W. Henderson Ornelo

COMPASSES.

Distance between electric generators or motors and standard compass 100 ft.

Distance between electric generators or motors and steering compass 96 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 6 Ampères 12 feet from standard compass 8 feet from steering compass.

A cable carrying 1/2 Ampères one feet from standard compass one 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.

LITHGOWS LIMITED.

John McFulloch Secretary.

Builder's Signature.

Date 4-6-27.

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 working conditions and found satisfactory. The workmanship was found to be good and sound.

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

W.D. 9/6/27

Total Capacity of Generators 8 Kilowatts

The amount of Fee ... £ 8.0.0

Travelling Expenses (if any) £ 10.6. 14/5/27

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

Committee's Minute GLASGOW 7- JUN 1927

Assigned Elec. Light. W.D.



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