

No. 6690

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

11 JUL 1925

Date of writing Report *7.7.25* When handed in at Local Office *8/7/25* Port of *Trieste*  
 Date, First Survey *May 20* Last Survey *June 27 1925*  
 Reg. Book. *13186* on the *S/S. IZBADA*  
 Tons { Gross *3518* Net *2210*  
 Built at *Sunderland* By whom built *W. Doxford & Sons.* Yard No. *✓* When built *1910*  
 Designers *Mauška Romolča NO BIAČIĆ* Port belonging to *Dubrovnik*  
 Electric Light Installation fitted by *✓* Contract No. *✓* When fitted *1918*

System of Distribution *Single Wire (No 183 W.H ALLEN & Co LONDON - PATENT No 2776)*  
 Pressure of supply for Lighting *110* volts, Heating *—* volts, Power *—* volts.  
 Direct or Alternating Current, Lighting *Direct* Power *—*

alternating current system, state frequency of periods per second *—*  
 Are 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 *—*  
 they over compounded 5 per cent. *—*, if not compound wound state distance between each generator *—*  
 Are more than one generator is fitted are they arranged to run in parallel *—*, is an adjustable regulating resistance fitted in *—*  
 with each shunt field *—*  
 Are all terminals accessible and clearly marked *—*, are they so spaced or shielded that they cannot be accidentally earthed, *—*  
 short circuited *—* Are the lubricating arrangements of the generators as per Rule *YES*

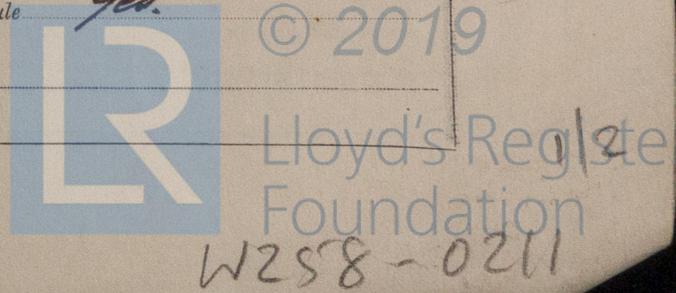
Position of Generators *ENGINE ROOM.*  
 Is the ventilation in way of the generators satisfactory *YES.*, are they clear of all inflammable material *YES*  
 situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators *—*  
 and *—*, are the generators protected from mechanical injury and damage from water, steam or oil *YES*  
 their axis of rotation fore and aft *No*  
 Are the bedplates and frames of the generating plant efficiently earthed *YES* are the prime movers and *—*  
 respective generators in metallic contact *YES*

Location of Switch Boards, where placed *IN ENGINE ROOM.*  
 If the generators and main switchboard are not placed in the same compartment, is each generator provided with *—*  
 a terminal on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard *—*  
 Are the 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 *YES*, and is the *—*  
 main switchboard effectively earthed *YES* Are the following fittings as per Rule, viz. :— spacing or shielding of live parts *—*  
 accessibility of all parts *YES*, absence of fuses on back of board *YES*, proportion of omnibus *—*  
 fuses *5000.*, individual fuses to voltmeter, pilot or earth lamp *No*, connections of switches *—*

Description of Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches.  
*Single pole switches*

Instruments on main switchboard *1* ammeters *1* voltmeters *—* synchronising device for paralleling purposes.  
 Are there any testing means provided at the main switchboard for indicating the state of the insulation of the system *NONE*

Are Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules *yes.*  
 Are the Construction and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule *yes.*





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

COMPASSES.

Distance between electric generators or motors and standard compass 107<sup>5</sup>  
 Distance between electric generators or motors and steering compass 100<sup>5</sup>

The nearest cables to the compasses are as follows:—

A cable carrying 1.5 Ampères 10 feet from standard compass 7 feet from steering compass.

A cable carrying 1.4 Ampères 9 feet from standard compass 7 feet from steering compass.

A cable carrying 0.2 Ampères — 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

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  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 No If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. This installation has not been fitted under special survey but has been now examined throughout and found in good condition. The installation has been tested under full working condition and with 25% overload for 2 hours with satisfactory results.

*[Signature]*

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

*[Signature]*  
21/7/25

Total Capacity of Generators 6 Kilowatts

The amount of Fee ... £ 780 — { When applied for, 8/7/25  
 Travelling Expenses (if any) £ : : { When received, 15/8/25

*[Signature]*  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 31 JUL 1925

Assigned

55,12,53.—Transfer.  
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)