

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

TUE. JUL 29 1924

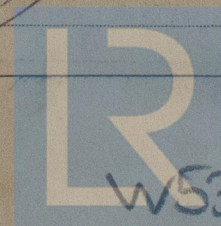
Date of writing Report *22 July* 19*24* When handed in at Local Office *19* Port of *Amsterdam*
 No. in Survey held at *Amsterdam* Date, First Survey *23/5* Last Survey *14/4* 19*24*
 Reg. Book. *20714* on the *Twin Screw Motor Vessel "HERA"* (Number of visits *5*)
 Built at *Stadrecht* By whom built *Schep. Stadrecht* Yard No. *L* Tons { Gross *538*
 Net *188*
 When built *1913*
 Owners *Ned. Ind. Tank Stoom. v. m.* Port belonging to *T. G. van der Hoff*
 Electric Light Installation fitted by *W. van Grooten, v. d. Poll* Contract No. *L* When fitted *1924*

System of Distribution *Double wire*Pressure of supply for Lighting *110* volts, Heating *L* volts, Power *L* volts.Direct or Alternating Current, Lighting *Direct Current* Power *L*If alternating current system, state frequency of periods per second *L*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 *on generator*Where more than one generator is fitted are they arranged to run in parallel *L*, 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 *In 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 *L* and *L*, 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 *In the engine room*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 *L*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 *L* and *L*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 micaite and the slab similarly insulated from its framework *Good micaite insulation*, 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. Change over switches, direct mounted on the main switchboard.*Instruments on main switchboard *2* ammeters *2* 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

*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*

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Lloyd's Register

W536-02221/2

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.

GROENEVELD, VAN DER POLL & Co's

Electrotechnische Fabrik

Electrical Engineers.

Date 10-7-24

per proc.

W. M. M. M. M.

COMPASSES.

Distance between electric generators or motors and standard compass

51 ft.

Distance between electric generators or motors and steering compass

45 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 10 Amperes 10 feet from standard compass 14 feet from steering compass.

A cable carrying 11.5 Amperes 11 feet from standard compass 3 feet from steering compass.

A cable carrying 6 Amperes 6 feet from standard compass 1 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 0.5 degrees on course in the case of the standard compass, and 0.5 degrees on course in the case of the steering compass.

Builder's Signature.

Date 10/7/24

Is this installation a duplicate of a previous case? If so, state name of vessel.

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

The electric light installation has been made in accordance with the Rules, tested under full working condition and satisfactory, workmanship good.

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

5/8/24.

Total Capacity of Generators Kilowatts

The amount of Fee ... £ 50.00
Travelling Expenses (if any) £ : :
When applied for, 19.
When received, 19.

F. V. Bennett
Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI 8 AUG 1924

Assigned



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