

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

TUE. 9 OCT. 1923

Date of writing Report 29 Sept 1923 When handed in at Local Office 10 Port of Rotterdam

No. in Survey held at Schiedam Date, First Survey 16 Aug Last Survey 24 Sept 1923  
Reg. Book. (Number of Visits 2)

on the S.S. "Holland"

Tons {  
Gross  
Net

Built at Rotterdam By whom built Scheepst. Hfj. N. Water Yard No. 121 When built 1923

Owners Ver. Ned. Scheepst. Hfj. Port belonging to 's Gravenhage

Electric Light Installation fitted by A. de Hoops R. dam Contract No. 1023 When fitted 1923

## System of Distribution

Pressure of supply for Lighting 110 volts, Heating                      volts, Power                      volts.

Direct or Alternating Current, Lighting direct current 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 overload yes, are they compound wound yes

are they over compounded 5 per cent. No, 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 Generators 1 Generator 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                      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 In Engine room near dynamo.

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 marble, 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 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

2 Main fuses, 10 doublepole switches with double pole fuses for each outgoing circuit, no equaliser.

Instruments on main switchboard 1 ammeters 1 voltmeters                      synchronising device for paralleling purposes.

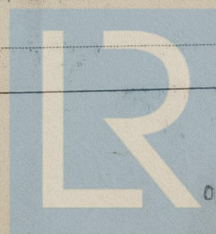
Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

2 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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If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office.....

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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.

*J. de Hoer*

Electrical Engineers.

Date *22 Sept 1923*.

#### COMPASSES.

Distance between electric generators or motors and standard compass

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

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

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

A cable carrying ..... Amperes ..... feet from standard compass ..... 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 been fitted in accordance with the Rules and was found in a good working condition when tried. I am of opinion that same merits the Committee's approval*

*It is submitted that this vessel is eligible for THE RECORD. Elec. Light. Ref. 15/10/23. Cus.*

Total Capacity of Generators *10* Kilowatts

The amount of Fee ... *£ 12.000* { When applied for, *1/10* 19*23*  
Travelling Expenses (if any) £ *—* : { When received, *1/10* 19*23*

*J. F. Schoor*  
Surveyor to Lloyd's Register of Shipping.

FRI 14 MAY 1937

Committee's Minute

TUE OCT. 16 1923

Assigned

Imp. 22.—Transfer.  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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