

3 AUG 1926

1

Rpt. 13.

No. 15412

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report 24.7.1926 When handed in at Local Office 19 Port of Rotterdam

No. in Survey held at 101 Reg. Book. 101 on the Steel Screw Steamer "GROENLO" Date, First Survey 25.5.26 Last Survey 17.7.1926 (Number of Visits.....)

Built at 101 By whom built A.V. Boelen Scheep- en Machinefabriek Yard No. 119 When built 1926 Tons { Gross Net

and designers A.V. Boelen, M. J. M. de Vries, M. J. M. de Vries Port belonging to Amsterdam

Electric Light Installation fitted by C. van der Venster Contract No. When fitted 1926

System of Distribution Two conductors

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

Is 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

they over compounded 5 per cent. no, 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 yes, are they so spaced or shielded that they cannot be accidentally earthed,

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

Are they 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

Is their axis of rotation fore and aft yes

Are the bedplates and frames of the generating plant efficiently earthed yes, are the prime movers and

respective generators in metallic contact

Are the 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

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

work 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

high insulation resistance yes, if semi-insulating material is used, are all conducting parts connected to one pole

Are they insulated from the slab with mica or micanite and the slab similarly insulated from its framework yes, and is the

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

0.12 sq. in., individual fuses to voltmeter, pilot or earth lamp yes, connections of switches yes

Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches

Quick shut off double pole knife

Are there instruments on main switchboard one ammeters one voltmeters synchronising device for paralleling purposes.

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

Are the fuses, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules yes

Are the main and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule yes



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W171-0137(112)



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

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W 171 -0137(212)



*The foregoing is a correct description.*

ing is a correct description.

Alvord September 28

*Electrical Engineers.*

Date 28 June 1926

## COMPASSES.

Distance between electric generators or motors and standard compass ..... 90 feet

Distance between electric generators or motors and steering compass..... 80 feet

The nearest cables to the compasses are as follows:—

A cable carrying 0.5 Amperes 12 feet from standard compass 1 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.....yes

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted..... 42

The maximum deviation due to electric currents was found to be nil degrees on every course in the case of the standard compass, and nil degrees on every course in the case of the steering compass.

N. V. „Boele'sche Scheepswerven  
en Machinefabriek“

*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 some merit the Committee's approval

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

Dec. Light

21

578/26

Total Capacity of Generators ..... 8 Kilowatts

The amount of Fee ... ..

\$ 96.00

When applied for,  
29/7 1926

Travelling Expenses (if any) £

When received,  
18/10/72

FRI. 6 AUG 1926

Committee's Minute

*Assigned*

Elect. light

*J. G. Behou*  
*Surveyor to Lloyd's Register of Shipping.*

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