

Rpt. 13.

No. 15002

## REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

31 MAR 1926

Date of writing Report 20.3.1926 When handed in at Local Office

19 Port of Rotterdam

No. in Survey held at Rotterdam

Date, First Survey 20. Dec 1925 Last Survey 13. 3. 1926

Reg. Book.

on the Keel name MV. "WOENS'DRECHT"

(Number of Visits. 12)

Tons { Gross 4668

Net 2627

Built at Rotterdam

By whom built Mr. Tenwood

Yard No. 390

When built 1926

Owners N.V. Hooim. My. De Maas Port belonging to Rotterdam.

Electric Light Installation fitted by A. de Hoop.

Contract No.

When fitted 1926

## System of Distribution

Two wire system.

## 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

No

, 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 motorroom.

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 motorroom near dynamo's.

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

, 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

for generators and outgoing circuits &amp; p. switches

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

2 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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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 15.3.26.

#### COMPASSES.

Distance between electric generators or motors and standard compass 240 cll

Distance between electric generators or motors and steering compass 240 cll

The nearest cables to the compasses are as follows:—

A cable carrying  $\frac{1}{4}$  Ampères 14 feet from standard compass 8 feet from steering compass.

A cable carrying  $\frac{1}{4}$  Ampères 6 feet from standard compass 4 feet from steering compass.

A cable carrying  $\frac{1}{4}$  Ampères 6 feet from standard compass 6 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 every course in the case of the standard compass, and nil degrees on every course in the case of the steering compass.

Maatschappij voor Scheeps- en Werktuigbouw  
"FIJENOORD"

Builder's Signature.

Date 30.3.26

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 Society's Rules and was found in a good working condition when tried and I am of opinion that she merits the approval of the Committee.

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

J.W.D.

1/4/26

Total Capacity of Generators 30 Kilowatts

The amount of Fee ...

£ 270.00

When applied for,

22/3.19.26

Travelling Expenses (if any) £

When received,

8.4.26

Committee's Minute

WED. 7 APR 1926

Assigned

Im. 9.21.—Transfer.  
(The Surveys are requested not to write on or below the space for Committee's Minute.)



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