

Rpt. 13.

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

No. 15595

22 SEP 1926

Date of writing Report 3. 9. 1926 When handed in at Local Office

Port of Rotterdam

No. in Survey held at Kinderdijk

Date, First Survey 12. 7. 26 Last Survey 28. 8. 1926

Reg. Book.

on the Steam Screw Tug "Oostree"

(Number of Visits.....)

Built at Kinderdijk

By whom built N. V. L. S. &amp; Zoon's Yard No. 822

Tons { Gross  
Net

When built 1926

Owners R. Smit &amp; Co's Sleepdienst at Rotterdam

Electric Light Installation fitted by

N. V. L. SMIT & ZOON'S  
Scheeps- & Werktuigbouw  
KINDERDIJK

Contract No.

When fitted 1926

System of Distribution

One main switchboard at the same time forming one distribution board and 3 other distrib. boards.

Pressure of supply for Lighting

110

volts, Heating

Direct or Alternating Current, Lighting

Direct

Power

volts, Power

110

volts.

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

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

, 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

and  $\pm 6'$ 

, 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, at side of generator.

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 varnished marble 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 micamite and the slab similarly insulated from its framework

, 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 turning switches and fuses for each pole of each outgoing circuit.

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

lamp.

Switches, Circuit Breakers and Fusible Out-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  
Foundation

W1058-0099 1/2







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.

H.V. L. SMIT & ZOON'S  
Scheeps- & Werktuigbouw  
Een der Directeuren

Electrical Engineers.

Date 9-8-1926

#### COMPASSES.

Distance between electric generators or motors and standard compass *abt 40'*

Distance between electric generators or motors and steering compass *abt 40'*

The nearest cables to the compasses are as follows:—

A cable carrying  $\frac{1}{2}$  Ampères 3 feet from standard compass feet from steering compass.

A cable carrying  $\frac{1}{2}$  Ampères feet from standard compass 3 feet from steering compass.

A cable carrying L Ampères L feet from standard compass L 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 L degrees on every course in the case of the standard

compass, and ✓ degrees on every course in the case of the steering compass.

H.V. L. SMIT & ZOON'S  
Scheeps- & Werktuigbouw  
Een der Directeuren

Builder's Signature.

Date 9-8-1926

Is this installation a duplicate of a previous case *No* If so, state name of vessel *L*

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 merit the Committee's approval*

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

*W.D. Cus.*  
23/9/26

Total Capacity of Generators *4.15* Kilowatts

The amount of Fee ... *f 96.00*

When applied for, 19...

Travelling Expenses (if any) £

When received, 25.9.26

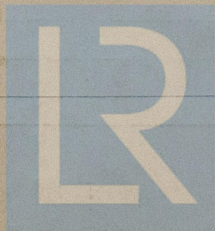
*J. J. De Koo*  
Signed to Lloyd's Register of Shipping.

Committee's Minute

FRI. 24 SEP 1926

Assigned

Im. 24. Transfer.  
(The Surors are requested not to write on or below the space for Committee's Minute.)



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