

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

29 OCT 1929

Date of writing Report 25-10-1929 When handed in at Local Office

Port of Rotterdam

No. in Survey held at Schiedam

Date, First Survey 14-8-29 Last Survey 22-10-1929

Reg. Book.

(Number of Visits 12)

on the steel Twin Screw vessel DELFTDIJK

Tons { Gross 10220.26
Net 6304.60

Built at Schiedam

By whom built Messrs Milton Yard No. 318

When built 1929

Owners Holland-American Line Port belonging to

Electric Light Installation fitted by Messrs. Groenewald & d Poll Contract No. ✓ When fitted 1929

Is the Vessel fitted for carrying Petroleum in bulk

No

System of Distribution

for power: two wire

for light: single wire with Bull return

Pressure of supply for Lighting

110

volts, Heating

220

volts, Power

220

volts.

Direct or Alternating Current, Lighting

direct current

Power

direct current

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 rating

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

yes

, is an adjustable regulating resistance fitted in

series with each shunt field

yes

Are all terminals accessible, clearly marked, and furnished with sockets

yes

, are they so spaced or shielded that they cannot be accidentally earthed,

short circuited, or touched

yes

Are the lubricating arrangements of the generators as per Rule

yes

Position of Generators

for power: two port and two starboard - axes in fore and aft direction

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

are their axes 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

on first platform aft in 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

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, non-ignitable non-absorbent materials

yes

permanently high insulation resistance

yes

, if semi-insulating material is used, are all conducting parts insulated from the slab

with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework

yes

and is the frame effectively earthed

yes

Are the fittings as per Rule regarding:— 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 each

generator a triple-pole automatic circuit-breaker. The knife of the equaliser touches the contact earlier than of the both other poles

Instruments on main switchboard

4

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

two lamps

in series, the middle point connected with the earth

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

yes

Joint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule

yes

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.

N.V. Groeneveld, Van der Poll & Co's

Electrical Engineers.

Date 25-10-29.

COMPASSES.

Distance between electric generators or motors and standard compass 200 feet from wireless motor generator

Distance between electric generators or motors and steering compass " " " " " "

The nearest cables to the compasses are as follows:—

A cable carrying 0,25 Ampères 3 feet from standard compass and 4 feet from steering compass.

A cable carrying 10 Ampères 25 feet from standard compass 15 feet from steering compass.

A cable carrying Ampères 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 Yes

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

N.V. WILTON'S Machinefabriek en Scheepswerf
(Wilton's Engineering and Shipway Co.)

Builder's Signature.

Date 25-10-29

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 made and fitted in accordance with the Society's Rules and was found in good working order when tried and merits in my opinion the Committee's approval.

It is submitted that
this vessel is suitable for
THE RECORD

See light

2.11.

3/10/29

Total Capacity of Generators 600 Kilowatts.

The amount of Fee ... £ 558.00

Travelling Expenses (if any) £

When applied for,
28th 1929
When received,
16.11.29

C.H. Bourse
Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 5 NOV 1929

Assigned

See light



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Foundation