

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 4 - 9 - 1928 When handed in at Local Office 10 Port of Rotterdam

No. in Survey held at Rotterdam Date, First Survey 10. 4. 28 Last Survey 19. 9. 1928
Reg. Book. (Number of Visits 24)

on the M. V. "KOTA GEDE"

Built at Rotterdam By whom built "My. Pyenwood" Yard No. 309 When built 1928

Owners Rotterdamse Lloyd Port belonging to Rotterdam

Electric Light Installation fitted by Rietsehoeten en Bouwens Contract No. When fitted 1928

System of Distribution

Two wire system

Pressure of supply for Lighting 220 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

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 —, are the generators protected from mechanical injury and damage from water, steam or oil Yes

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 In aft part of 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, is all insulation of high dielectric strength and of 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 — 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

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches for each generator a double pole quick linked knife switch for equalize and minus pole and automatic minimal

single pole quick linked switch for the positive pole and for each outgoing circuit a double pole quick linked switch and a double pole fuse.

Instruments on main switchboard 4 ammeters 3 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 earth lamps for each dynamometer

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



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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.

N. V. Van Rietschoten & Houwens

Electrotechnische Maatschappij.

Electrical Engineers.

Date

COMPASSES.

Distance between electric generators or motors and standard compass 19 ellb

Distance between electric generators or motors and steering compass 19 ellb

The nearest cables to the compasses are as follows:—

A cable carrying 60 Ampères 50 feet from standard compass 45 feet from steering compass.

A cable carrying 10 Ampères 30 feet from standard compass 36 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 0 degrees on every course in the case of the standard compass, and 0 degrees on every course in the case of the steering compass.

Maatschappij voor Scheeps- en Werktuigbouw

FIJENOORD

Builder's Signature.

Date 26 SEP. 1928

Is this installation a duplicate of a previous case Yes If so, state name of vessel "KOTA INTEN"

General Remarks (State quality of workmanship, opinions as to class, &c. This installation has

been fitted in accordance with the Society's Rules, material and workmanship good and the whole having been found in a good working order when tried. I am of opinion that same merits the approval of the Committee

It is submitted that this report is eligible for THE RECORD.

Elec. Light 25.9.

2/10/28.

Total Capacity of Generators 450 Kilowatts.

The amount of Fee ...

513.00

When applied for,

21/9. 1928

Travelling Expenses (if any) £

When received,

11.10.28

Committee's Minute TUE 16 OCT 1928

Assigned

Im. 127.—Transfer.
(The Signatories are requested not to write on or below the space for Committee's Minute.)



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