

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL) 10 SEP 1927

Received at London Office.....

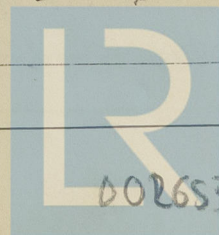
18. Date of writing Report 19. When handed in at Local Office 19. Port of
 20. in Survey held at Rotterdam. Date, First Survey 17 May 27 Last Survey 6 Sept 27
 Reg. Book. (Number of Visits 20)
 on the S.S. "Cottica" Tons { Gross 3800
 Net 3163
 built at Rotterdam By whom built P. Smit & Co Yard No. 410 When built 1927
 owners N.V.S.H. Port belonging to Amsterdam
 Electric Light Installation fitted by N.V. ELECTROTECHNISCH-BUREAU A. DE HOOP Contract No. When fitted 1927

System of Distribution Direct current, two wire
 Pressure of supply for Lighting 110 V volts, Heating — volts, Power 100 volts.
 Direct or Alternating Current, Lighting D.C. Power D.C.
 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 No, 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 near Generators
 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 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 main fuses and a p. change-over switches for each outgoing circuit.
 Instruments on main switchboard two ammeters two 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 Earth lamps.

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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002653-002658-0163

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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. ELECTROTECHNISCH-BUREAU

A. DE HOOP

Electrical Engineers.

Date 24/8.27

COMPASSES.

Distance between electric generators or motors and standard compass 120 ft.

Distance between electric generators or motors and steering compass 110 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 1 Ampères 24 feet from standard compass 10 feet from steering compass.

A cable carrying 0.25 Ampères 3 feet from standard compass 6 feet from steering compass.

A cable carrying 10 Ampères 10 feet from standard compass 15 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 2 degrees on 2 course in the case of the standard compass, and 2 degrees on 2 course in the case of the steering compass.

MACHINEFABRIEK & SCHEEPSWERF

van P. SMIT Jr.

Builder's Signature.

Date 7 Sept 27

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 was found in a good working condition when tried and merits in my opinion the Committee's approval.

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

Total Capacity of Generators 44 Kilowatts.

The amount of Fee ... £ 300.00
When applied for, 19 27
When received, 14.9.27

Travelling Expenses (if any) £

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUES. 20 SEP 1927

Assigned

Elec. light



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