

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 7 JUL 1947

Date of writing Report 26-6-1947 When handed in at Local Office 2/7-47 Port of Rotterdam  
 No. in Survey held at Capelle a/d Yssel Date, First Survey 22 May Last Survey 18 June 1947  
 Reg. Book. 72305 on the MS "Elisabeth" Tons { Gross 248 Net 188  
 Built at Ruisekerbrug By whom built Wed. J. de Jong Yard No. When built 1919  
 Owners N.V. Rotocent Port belonging to Rotterdam  
 Electrical Installation fitted by Electro-technisch Bureau Verkaik Contract No. When fitted 1947  
 Is vessel fitted for carrying Petroleum in bulk no Is vessel equipped with D.F. E.S.D. Gy.C. Sub.Sig.

Have plans been submitted and approved YES System of Distribution two-wire-system Voltage of supply for Lighting 24V

Heating Power Direct or Alternating Current, Lighting DC Power If Alternating Current state frequency Prime Movers,

has the governing been tested and found efficient when the whole load is suddenly thrown on and off Are turbine emergency governors fitted with a

trip switch as per Rule Generators, are they compound wound no, are they level compounded under working conditions no

if not compound wound state distance between generators and from switchboard 12 feet Where more than one generator is fitted are they

arranged to run in parallel, are shunt field regulators provided YES Is the compound winding connected to the negative or positive pole

Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing Have certificates of

test for machines under 100 kw. been supplied and the results found as per rule Are the lubricating arrangements and the construction

of the generators as per rule YES Position of Generators in engine room near fore bulkhead st. b. side

is the ventilation in way of generators satisfactory YES are they clear of inflammable material YES, if situated

near unprotected combustible material state distance from same horizontally and vertically, are the generators protected from mechanical

injury and damage from water, steam and oil YES, are the bedplates and frames earthed YES and the prime movers and generators in metallic

contact Switchboards, where are main switchboards placed in wheelhouse

are they in accessible positions, free from inflammable gases and acid fumes YES, are they protected from mechanical injury and damage from water, steam

and oil YES, if situated near unprotected combustible material state distance from same horizontally and vertically, what insulation

material is used for the panels Permite, if of synthetic insulating material is it an Approved Type YES, if of

semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule Is the frame effectually earthed

Is the construction as per Rule YES, including accessibility of parts YES, absence of fuses on the back of the board YES, individual fuses

to pilot and earth lamps, voltmeters, etc. YES locking of screws and nuts YES, labelling of apparatus and fuses YES, fuses on the "dead"

side of switches YES Description of Main Switchgear for each generator and arrangement of equaliser switches

double pole knife switch and double pole fuses and cut-in-out switch

Battery: double pole knife switch and double pole fuses

and for each outgoing circuit a rotary switch and double pole fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Instruments on main switchboard 2

ammeters 1 voltmeters synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection Earth Testing, state means provided earth lamps connected to earth through switch



The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.  
 All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.  
 The foregoing is a correct description.

Electrical Engineers. Date \_\_\_\_\_

**COMPASSES.**

Minimum distance between electric generators or motors and standard compass 10 feet

Minimum distance between electric generators or motors and steering compass 26 feet

The nearest cables to the compasses are as follows:—

A cable carrying 0.4 Ampères led into feet from standard compass led into feet from steering compass.

A cable carrying 0.6 Ampères 4 feet from standard compass 4 feet from steering compass.

A cable carrying 31 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 \_\_\_\_\_

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 any course in the case of the standard compass, and nihil degrees on any course in the case of the steering compass.

Builder's Signature. Date \_\_\_\_\_

Is this installation a duplicate of a previous case no If so, state name of vessel no

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

classing: The electrical Equipment of this vessel has been renewed and carried out and fitted in accordance with approved plan and the Society's rules. The installation has been installed under special survey. The materials are of good quality and workmanship is good. On completion the equipment was run under working condition with satisfactory results and all circuits megger tested and found good. This Equipment merits in my opinion the approval of the Committee.

Notes Sub 30/1947

Total Capacity of Generators 1 Kilowatts.

The amount of Fee ... £75.- : { When applied for, 24/6-1947  
 Travelling Expenses (if any) £2.- : { When received, \_\_\_\_\_

J. J. Keenan  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute \_\_\_\_\_

Assigned See F.E. Walshy rpt.

2m.10.35.—Transfer. (MADE IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)

OCT 8 1947



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