

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

18 APR 1929

Date of writing Report 6.4.1929 When handed in at Local Office 19 Port of Rotterdam

No. in Survey held at Rotterdam Date, First Survey 30-1-29 Last Survey 5-4-1929
Reg. Book. (Number of Visits 13)

on the Steel Sloop Steamer "JOSEPHINE CHARLOTTE" Tons { Gross 3421
Net 2055

Built at Rotterdam By whom built Rot. Droogd. Mij. Yard No. 152 When built 1929

Owners Lloyd Royal Belge Port belonging to Antwerp

Electric Light Installation fitted by M. V. Rietvelde & H. Boumans Contract No. 1929 When fitted 1929

System of Distribution Two wire system

Pressure of supply for Lighting 110 volts, Heating 110 volts, Power 110 volts.

Direct or Alternating Current, Lighting direct current Power 110

If alternating current system, state frequency of periods per second 110

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 110

Where more than one generator is fitted are they arranged to run in parallel Only one can be used at the same time, 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 In Engine room near main switchboard

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

110 and 110, 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 Engine room near dynamo's

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 110

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 110 and 110

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 110 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 the generator

a double pole quick linked knife change over switch and a double pole fuse for

each outgoing circuit a double pole quick linked knife switch and double pole

fuse.

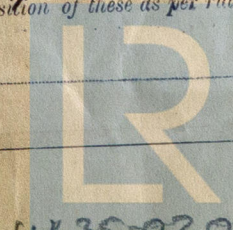
Instruments on main switchboard 1 ammeters 1 voltmeters 1 synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Two earth lamps

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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W35-0209 (10)

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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 8. 4. 29

COMPASSES.

Distance between electric generators or motors and standard compass 52 ell.

Distance between electric generators or motors and steering compass 50 ell

The nearest cables to the compasses are as follows:—

A cable carrying 0.5 Ampères 8 feet from standard compass 4 feet from steering compass.

A cable carrying 0.5 Ampères 8 feet from standard compass 4 feet from steering compass.

A cable carrying 2 Ampères 1 feet from standard compass 1 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 1/2 degree on every course in the case of the standard compass, and 1/2 degree on every course in the case of the steering compass.

ROTTERDAMSCHЕ DROOGDOEK MAATSCHAPPIJ
DIRECTEUR

Builder's Signature. Date 15. 4. 29

Is this installation a duplicate of a previous case. Yes If so, state name of vessel SS. ASTRIDA

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, the work found in a good working condition when tried and meets in my opinion the Committee's approval

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

23. 4. 29

Total Capacity of Generators 12.5 Kilowatts.

The amount of Fee ... £ 150.00
Travelling Expenses (if any) £ : :
When applied for, 17/4 1929
When received, 29. 4. 1929

Committee's Minute FRI. 26 APR 1929

Assigned

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



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