

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office... (UE JUL 29 1924)

Date of writing Report 22 July 1924 When handed in at Local Office 10 Port of Amsterdam

No. in Survey held at Amsterdam Date, First Survey 21/5 Last Survey 14/4 1924
 Reg. Book. 2277 on the Twin Screw Motor Vessel "HERA" (Number of Visits 5)

Built at Stadrecht By whom built Schep. Stadrecht Yard No. L Tons { Gross 538
 Net 188 When built 1913

Owners Ned. Ind. Tank Stoom. v. v. Port belonging to J. G. van der Hoff

Electric Light Installation fitted by W. van Groenou, v. d. Poll Contract No. L When fitted 1924

System of Distribution Double wire

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

Direct or Alternating Current, Lighting Direct Current Power L

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

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 overload Yes, are they compound wound Yes
 are they over compounded 5 per cent. Yes, if not compound wound state distance between each generator no generator

Where more than one generator is fitted are they arranged to run in parallel L, is an adjustable regulating resistance fitted in series with each shunt field Yes

Are all terminals accessible and clearly marked Yes, are they so spaced or shielded that they cannot be accidentally earthed, or short circuited Yes Are the lubricating arrangements of the generators as per Rule 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 L and L, are the generators protected from mechanical injury and damage from water, steam or oil Yes
 are their axis 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 the 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 L

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 L and L
 are they constructed wholly of durable, incombustible 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 connected to one pole insulated from the slab with mica or micaite and the slab similarly insulated from its framework Good micaite insulation, and is the frame effectively earthed Yes Are the following fittings as per Rule, viz.:— 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

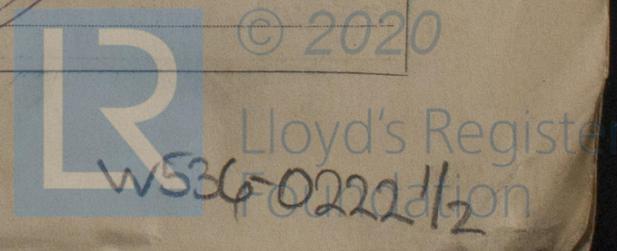
Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches Double pole Champ. w. v. switches, direct mounted on the main switchboard.

Instruments on main switchboard 2 ammeters 2 voltmeters L 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

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.

GROENEVELD, VAN DER POLL & Co's
 Electric-technische Fabriek
 per proc. *J. M. M. M. M.*

Electrical Engineers. Date 10-7-24

COMPASSES.

Distance between electric generators or motors and standard compass 51 ft.
 Distance between electric generators or motors and steering compass 45 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 10 Amperes 10 feet from standard compass 14 feet from steering compass.
 A cable carrying 11.5 Amperes 11 feet from standard compass 3 feet from steering compass.
 A cable carrying 2 Amperes 2 feet from standard compass 2 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

The maximum deviation due to electric currents was found to be none degrees on _____ course in the case of the standard compass, and _____ degrees on _____ course in the case of the steering compass.

Builder's Signature. Date 10/7/24

Is this installation a duplicate of a previous case ✓ If so, state name of vessel ✓

General Remarks (State quality of workmanship, opinions as to class, &c.)

The electric light installation has been made in accordance with the Rules, tested under full working condition and satisfactory, workmanship good.

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

[Signature]
 5/8/24

Total Capacity of Generators _____ Kilowatts

The amount of Fee	£ 00.	When applied for,	19.....
Travelling Expenses (if any) £	:	When received,	19.....

[Signature]
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI 8 AUG 1924

Assigned _____

Imp. 22.—Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)