

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office JUN 21 1939

Date of writing Report... 10-6-1939 When handed in at Local Office... 19... Port of Rotterdam
 No. in Survey held at Rotterdam Date, First Survey 14-3-39 Last Survey 25-5-1939
 Reg. Book. (Number of Visits... 9...)
 on the m.s. "PENDRECHT" Tons { Gross 10746.04
 Net 6367.03
 Built at Rotterdam By whom built Rotterd Droogdok Mij Yard No. 212 When built 1938/1939
 Owners Stoomvaart Mij de Maas Port belonging to Rotterdam
 Electrical Installation fitted by A. de Hoop Contract No. When fitted 1939
 Is vessel fitted for carrying Petroleum in bulk yes. Is vessel equipped with D.F. yes. E.S.D. yes. Gy.C. Sub.Sig.

Have plans been submitted and approved yes System of Distribution two conductor insulated Voltage of supply for Lighting 110
 Heating 110 Power 110 Direct or Alternating Current, Lighting D.C. Power D.C. 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 yes Are turbine emergency governors fitted with a
 trip switch as per Rule Generators, are they compound wound yes, are they level compounded under working conditions yes,
 if not compound wound state distance between generators and from switchboard Where more than one generator is fitted are they
 arranged to run in parallel no, are shunt field regulators provided yes Is the compound winding connected to the negative or positive pole
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 yes and the results found as per rule yes Are the lubricating arrangements and the construction
 of the generators as per rule yes Position of Generators in engine room, portside, on a platform
 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 yes Switchboards, where are main switchboards placed in engine room, portside, on same platform
as generators
 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 switchboard is of "dead front" type, switches are mounted on micaite insulated steel bars
 or on small slabs of insulating material, 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 yes
 Is the construction as per Rule yes, including accessibility of parts yes, absence of fuses on the back of the board fuses are mounted on the back of
 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
main generator: a double pole change over switch & double pole fuses
auxiliary generator: a double pole switch & double pole fuses.
 and for each outgoing circuit a double pole change over switch & double pole fuses.
 Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 2
 ammeters 2 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 for each generator: one Ohmmeter and two earth lamps
Controlled by a rotary change over 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.

N.V. ELECTROTECHNISCH BUREAU
A. DE HOOP

Electrical Engineers.

Date 14/1/39

COMPASSES.

Minimum distance between electric generators or motors and standard compass 15 feet (converter of wireless station)

Minimum distance between electric generators or motors and steering compass 18 feet (" " " ")

The nearest cables to the compasses are as follows:—

A cable carrying 1 Ampères 1 foot from standard compass 1 foot from steering compass. Compass Lighting

A cable carrying 8 Ampères 20 feet from standard compass 20 feet from steering compass. battery of wireless station

A cable carrying 4 Ampères 4 feet from standard compass 7 feet from steering compass. chartroom lights

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 nil degrees on every course in the case of the standard compass, and nil degrees on every course in the case of the steering compass.

DE ROTTERDAMSCH E DROOGDOEK MIJ

Builder's Signature.

Date 19.6.1939

A. Maape

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

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

The electrical equipment of this vessel has been fitted on board under special survey, tested under full working conditions and found satisfactory. The material and workmanship are good and the installation merits in my opinion the Committee's approval.

*Noted
 23/6/39*

Total Capacity of Generators 39 Kilowatts.

The amount of Fee ... f 297,00 : When applied for, 20.6.39

Travelling Expenses (if any) f 11,00 : When received, 21/7.1939

H. van der Wijk

Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI 30 JUN 1939

Assigned See PE machine rpt.

2m.10.38.—Transfer. (MADE IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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