

# REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

23 DEC 1946

Received at London Office

Date of writing Report... 16.12.1946 When handed in at Local Office... 19... Port of Rotterdam

No. in Survey held at Schiedam Date, First Survey 3-6-46 Last Survey 9-11-1946  
Reg. Book. (Number of Visits...)

on the 5/2 "DUIVENDIJK" Tons { Gross... Net... }

Built at Hamburg By whom built Deutsche Werft Yard No. When built 1930

Owners Holland Amstel Lijn Port belonging to Rotterdam

Electrical Installation fitted by A. E. G. Contract No. ? When fitted ?

Is vessel fitted for carrying Petroleum in bulk... Is vessel equipped with D.F. E.S.D. Gy.C. Sub.Sig.

Have plans been submitted and approved Yes System of Distribution single pole Voltage of supply for Lighting 220

Heating 220 Power 220 Direct or Alternating Current, Lighting Power... If Alternating Current state periodicity... Prime Movers,

has the governing been tested and found as per Rule when full 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 Yes, are shunt field regulators provided Yes Is the compound winding connected to the negative or positive pole

negative Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing no Have certificates of

test for machines under 100 kw. been supplied no and the results found as per rule... Are the lubricating arrangements and the construction

of the generators as per rule... Position of Generators Engine room starboard

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 engine room starboard on platform

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 dead front type, if of synthetic insulating material is it an Approved Type... 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 no, 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 For each generator

an quick linked circuit breaker with overload and reverse current relay

Equalisers with single pole knife switch.

and for each outgoing circuit a single pole knife switch and fuse

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 6

ammeters 4 voltmeters 1 synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection Yes Earth Testing, state means provided —

Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an approved type... are all fuses labelled as

per Rule Yes If circuit breakers are provided for the generators, at what overload current did they open when tested... are the reversed current

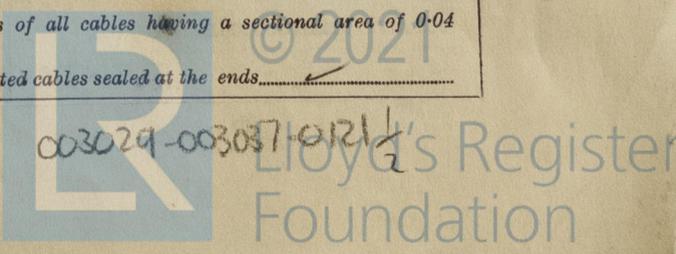
protection devices connected on the pole opposite to the equaliser connection Yes, have they been tested under working conditions, and at what current

did they operate Yes Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule Yes

Cables, are they insulated and protected as per the appropriate Tables of the Rules... if otherwise than as per Rule are they of an approved type... ?

state maximum fall of pressure between bus bars and any point under maximum load 2V, are the ends of all cables having a sectional area of 0.04

square inch and above provided with soldering sockets Yes Are paper insulated and varnished cambric insulated cables sealed at the ends —





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..... 33 feet

Minimum distance between electric generators or motors and steering compass..... 23 "

The nearest cables to the compasses are as follows:—

A cable carrying 1.5 Ampères 1.3 feet from standard compass 7 feet from steering compass.

A cable carrying 1 Ampères 1.0 feet from standard compass 1.0 feet from steering compass.

A cable carrying 0.08 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.....

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 0 degrees on 0 course in the case of the standard compass, and 0 degrees on 0 course in the case of the steering compass.

..... Builder's Signature. Date.....

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

Plans. Are approved plans forwarded herewith..... If not, state date of approval.....

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith.....

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

*This installation has been examined and tested as required, verified with the approved plans and found to comply in all respects.*

Total Capacity of Generators..... 560 Kilowatts.

The amount of Fee ... £ 500.00 } When applied for, 19-11-19-16  
 Travelling Expenses (if any) £ --- } When received, .....19.....

P. H. Bourne  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute..... FRI 31 JAN 1917

Assigned..... Sir F. E. Mch. opt

5m.4.3.—Transfer. (MADE AND PRINTED IN ENGLAND.)  
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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