

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL) 13 OCT 1947
Received at London Office.....

Date of writing Report 6th October 1947 When handed in at Local Office..... Port of Rotterdam

No. in Survey held at Papendrecht Date, First Survey 21 July Last Survey 1st Oct 1947
Reg. Book. (Number of Visits.....)

06011 on the "Ms. Confid" Tons {Gross 249
Net 164

Built at HOOGEZAND By whom built GJ. VAN DER WERFF Yard No. - When built 1931

Owners H KAJUITER Port belonging to ROTTERDAM

Electrical Installation fitted by H.V. Pietersen. 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 2-wire-system Voltage of supply for Lighting 22V

Heating - Power - Direct or Alternating Current, Lighting DC Power DC 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 - 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 -

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 - 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 5 Board 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 no Switchboards, where are main switchboards placed in engine room Port side.

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 bertinax, if of synthetic insulating material is it an Approved Type no, 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 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

a double pole knife switch 60 amp and double pole fuses.

Battery double pole fuses and automatic-cut-out and cut-in switch

and for each outgoing circuit double pole rotary switches and double pole fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 1

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.

Switches, Circuit Breakers and Fuses, are they as per Rule - are the fuses an approved type no, 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 - have they been tested under working conditions, and at what current

did they operate - 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 yes, 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 - 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.

Shipping.

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 27 feet

Minimum distance between electric generators or motors and steering compass 24 feet

The nearest cables to the compasses are as follows:—

A cable carrying 5 Ampères 9 feet from standard compass 6 feet from steering compass.

A cable carrying — Ampères — feet from standard compass — feet from steering compass.

A cable carrying — Ampères — feet from standard compass — 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 nil degrees on any course in the case of the standard compass, and nil 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

Plans. Are approved plans forwarded herewith no If not, state date of approval 4-9-47

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith no

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

classing:
All cables of the electrical equipment has been renewed in accordance with the approved plan. The base plate of main switch board renewed, no exception has been taken to insulation material pertinox, with regard to the low-voltage 32V. (approved material was not available)
The whole equipment was run under working condition and found good.
The materials used are of good quality and readings megger test found satisfactory. In my opinion this installation merits the approval of the Committee.

Notes. See 15/12/47.

Total Capacity of Generators 125 Kilowatts.

The amount of Fee ... £ 75.- : When applied for, 10-10-1947
 Travelling Expenses (if any) £ 3.- : When received, 19

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

Committee's Minute

Assigned

5m. 4. 28.—Transfer. (MADE AND PRINTED IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

DEC 19 1947



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