

Rpt. 13.

No. 31980 D

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 10 FEB. 1950

Date of writing Report 6/I 1950 When handed in at Local Office 7/I 1950 Port of ROTTERDAM

No. in Survey held at SCHIEDAM Date, First Survey 6-8-'48 Last Survey 9/1 1950
Reg. Book. (Number of Visits 16)

on the MOTOR TANKER "MITRA"

Tons { Gross 8262.60
Net 4600.08

Built at SCHIEDAM By whom built WILTON FVENDORD N.V. Yard No. 720 When built XII/49

Owners N.V. PETROLEUM MY "LALORONA" Port belonging to S'-GRAVENHAGE

Electrical Installation fitted by H.C. CROON & CO N.V. Contract No. When fitted XII/49

Is vessel fitted for carrying Petroleum in bulk YES Is vessel equipped with D.F. YES E.S.D. YES Gy.C. YES Sub.Sig. NO
RADAR NO

Have plans been submitted and approved System of Distribution Voltage of supply for Lighting

Heating Power 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 Are turbine emergency governors fitted with a

trip switch as per Rule Generators, are they compound wound, 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 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 Position of Generators

is the ventilation in way of generators satisfactory, are they clear of inflammable material, 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, are the bedplates and frames earthed and the prime movers and generators in metallic

contact Switchboards, where are main switchboards placed

are they in accessible positions, free from inflammable gases and acid fumes, are they protected from mechanical injury and damage from water, steam

and oil, if situated near unprotected combustible material state distance from same horizontally and vertically, what insulation

material is used for the panels, 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

Is the construction as per Rule, including accessibility of parts, absence of fuses on the back of the board, individual fuses

to pilot and earth lamps, voltmeters, etc., locking of screws and nuts, labelling of apparatus and fuses, fuses on the "dead"

side of switches Description of Main Switchgear for each generator and arrangement of equaliser switches

and for each outgoing circuit

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

ammeters, 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

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

per Rule 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

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, are the ends of all cables having a sectional area of 0.04

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

PARTICULARS OF GENERATING PLANT

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Foundation

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.

p.p. N.V. Rotterdamsche Electriciteits Mij.
v/h. H. CHOOON & Co.

Electrical Engineers.

Date 31st Jan 1950

COMPASSES.

Minimum distance between electric generators or motors and standard compass.....

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

The nearest cables to the compasses are as follows:—

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

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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 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.....

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.).....

Total Capacity of Generators..... 60 Kilowatts.

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

Math 14.V.D. SLU15/
Surveyor to Lloyd's Register of Shipping.

FRI. 10 MAR 1950

Committee's Minute.....

Assigned *In committee see J.E. Rife*