

11. 18. 1950
No. 19959 d

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

24 DEC 1930

Received at London Office

Date of writing Report 12. 12. 1950 When handed in at Local Office

19 Port of Rotterdam.

No. in Survey held at Rotterdam Date, First Survey 5. 6 - 30 Last Survey 11 - 12 - 1950
(Number of Visits 18)

Reg. Book. on the Steel Screw motor Vessel TARAKAN

Tons { Gross 8183
Net 6984

Built at 1930 By whom built A. J. Tyenwoord Yard No. 318 When built 1930

Owners Blooms. & H. Nederland Rotterdam Port belonging to Amsterdam

Electric Light Installation fitted by R. & C. Ltd. Crown & P. Co Contract No. When fitted 1930

Is the Vessel fitted for carrying Petroleum in bulk no

System of Distribution direct and alternating current

Pressure of supply for Lighting 220 and 110 volts, Heating 220 volts, Power 220 volts.

Direct or Alternating Current, Lighting direct and alternating Power direct current; small fans alterna-

alternating current system, state frequency of periods per second 50

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 rating , are they compound wound yes

Are they over compounded 5 per cent. yes , if not compound wound state distance between each generator

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

Are all terminals accessible, clearly marked, and furnished with sockets yes , are they so spaced or shielded that they cannot be accidentally earthed,

short circuited, or touched yes Are the lubricating arrangements of the generators as per Rule yes

Position of Generators in engineroom

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

and , are the generators protected from mechanical injury and damage from water, steam or oil yes ,

are their axes 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 engineroom

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

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

and , are they constructed wholly of durable, non-ignitable 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 insulated from the slab

with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework

and is the frame effectively earthed yes Are the fittings as per Rule regarding :— spacing or shielding of live parts

yes , accessibility of all parts yes , absence of fuses on back of board no , proportion of omnibus

bars 1600 mm² , individual fuses to voltmeter, pilot or earth lamp yes , connections of switches

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches each generator

a double pole switch and a single pole automatic switch with trips

each outgoing circuit a double pole switch with fuse or automatic switch with tripp

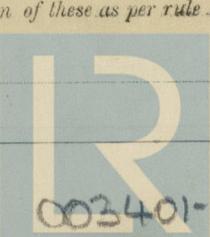
Instruments on main switchboard 18 ammeters 4 voltmeters synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system earth lamps

and Ohmmeters

Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules yes

Joint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule yes



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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.

p.p. N.V. Rotterdamse Electrotelektel Mij.
V/H H. GROENWOLD

Electrical Engineers.

Date 12-12-1930

COMPASSES.

Distance between electric generators or motors and standard compass 180

Distance between electric generators or motors and steering compass 170

The nearest cables to the compasses are as follows :—

A cable carrying 60 Ampères 60 feet from standard compass 55 feet from steering compass.

A cable carrying 10 Ampères 40 feet from standard compass 36 feet from steering compass.

A cable carrying 6 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 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 0 degrees on every course in the case of the standard compass, and 0 degrees on every course in the case of the steering compass.

Maatschappij voor Scheeps- en Werktuigbouw

RIJENOORD N.V.

Rotterdam

Builder's Signature.

Date 19-12-30

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

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

This installation has

been fitted in accordance with the Society's Rules approved plan and Secretary's letters, material and workmanship found good.

The whole was found in a good working order when tried and I am of opinion that this vessel's electric lights and power installation merits the Committee's approval

Elec. light
J. H. Oehoe
16/1/31.

Total Capacity of Generators 720 Kilowatts.

The amount of Fee ...	£ 558.00	When applied for,	17/12/1930
Travelling Expenses (if any) £	—	When received,	3/2/31

J. H. Oehoe
Entered in Lloyd's Register of Shipping.

1m1238.—Transfer.

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

Committee's Minute

FRI 16 JAN 1931

Elec. dt.

Assigned

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