

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

24 JUN 1930

Date of writing Report *21st June, 1930*. When handed in at Local Office *21st June, 1930* Port of *Mahmud*No. in Survey held at *Mahmud* Date, First Survey *22nd April* Last Survey *20th June, 1930*
Reg. Book. *Impl.* (Number of Visits. *2*)

42561. on the T.S.M.S. "TRITON"

Built at *Mahmud* By whom built *Hockemus M. V. Aetich* Yard No. *164* Tons { Gross *6607*
Net *4045*Owners *1/5 San Norbert. Afrika. og Amstelslinne* Port belonging to *Tromsberg* When built *1930*Electric Light Installation fitted by *Hockemus M. V. Aetich* Contract No. *✓* When fitted *1930*System of Distribution *Two wire system.*Pressure of supply for Lighting *110* volts, Heating *220* volts, Power *220* volts.Direct or Alternating Current, Lighting *Direct* Power *Direct*If alternating current system, state frequency of periods per second *✓*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 overload *Yes*, 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 inseries with each shunt field *Yes*Are all terminals accessible and clearly marked *Yes*, are they so spaced or shielded that they cannot be accidentally earthed,or short circuited *Yes* Are the lubricating arrangements of the generators as per Rule *Yes*Position of Generators *On port side in the motor space.*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 *✓*are their axis of rotation fore and aft *Yes*Earthing, are the bedplates and frames of the generating plant efficiently earthed *Yes* are the prime movers andtheir respective generators in metallic contact *Yes*Main Switch Boards, where placed *On a platform at front end of the motor space.*

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 unprotectedwoodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards *✓* and *✓*are they constructed wholly of durable, incombustible non-absorbent materials *Iron*, is all insulation of high dielectric strength and ofpermanently high insulation resistance *Yes*, if semi-insulating material is used, are all conducting parts connected to one poleinsulated from the slab with mica or micanite and the slab similarly insulated from its framework *No conducting parts pass through the slab. Insulators for 5000 V. fitted.*frame effectively earthed *Yes* Are the following fittings as per Rule, viz.:— spacing or shielding of live parts*Yes*, accessibility of all parts *Yes*, absence of fuses on back of board *✓*, proportion of omnibusbars *Yes*, individual fuses to voltmeter, pilot or earth lamp *Yes*, connections of switches *Yes*Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches *For each generator:—**A double pole circuit breaker with overload and reversed current trips and a single pole equalizer**switch. For each outgoing circuit:— A double pole linked switch and a fuse on each pole.*Instruments on main switchboard *10* ammeters *5* 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 *Ohm meters with**earthing indicators for both poles.*Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules *Yes*Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule *Yes*

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Lloyd's Register
Foundation

W129-0093 1/2

The foregoing is a correct description.

W. B. R. Green Electrical Engineers.

Date _____

Distance between electric generators or motors and standard compass

Distance between electric generators or motors and steering compass.

The nearest cables to the compasses are as follows :—

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

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

A cable carrying Amperes 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.

KOCKUMS MEKANISKA VERKSTADS

AKTIE-BOLAG

Builder's Signature.


Date _____

Is this installation a duplicate of a previous case Yes If so, state name of vessel T.S.M.S. "Indor."

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

The above described electric installation has been fitted onboard under my inspection and has been tested and found satisfactory.
The materials and the workmanship are both good.
All the Rule requirements have been complied with.

It is submitted that
this vessel is eligible for
THE RECORD. E Rec. Light.



24/6/20

Total Capacity of Generators.....360.....Kilowatts

The amount of Fee \$42. : 737.10: When applied for,
21st June 1930.

Travelling Expenses (if any) £ : : (24/7/30 19) when received,

Asunder
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned *Elec. Light*