

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 3 AUG 1926

Date of writing Report 31. 7. 1926 When handed in at Local Office 10 Port of Rotterdam

No. in Survey held at Halkbommel Date, First Survey 1st of April Last Survey 29th July 1926  
Reg. Book. (Number of Visits 6)on the Houtbouw Hopper barge, FOREMOST 36 Tons { Gross  
Net

Built at Halkbommel By whom built J. Meyer Scheepb. M. Yard No. 499 When built 1926

Owners James Dredging Co. Port belonging to London

Electric Light Installation fitted by Meyer Scheepb. M. Contract No. 1 When fitted 1926

System of Distribution Two wire direct current system

Pressure of supply for Lighting 110 volts, Heating 110 volts, Power 110 volts

Direct or Alternating Current, Lighting Direct Power 110

If alternating current system, state frequency of periods per second 110

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 110

Where more than one generator is fitted are they arranged to run in parallel Only one, is an adjustable regulating resistance fitted in

series 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 In Engine room

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

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 and

their respective generators in metallic contact Yes

Main Switch Boards, where placed In Engine Room

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 Yes

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 Yes and

are they constructed wholly of durable, incombustible 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 connected to one pole

insulated from the slab with mica or micanite and the slab similarly insulated from its framework Yes, and is the

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 Yes, proportion of omnibus

bars 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 Double pole

quick break link and double pole fuse for each circuit

Instruments on main switchboard One ammeters One 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

Two lamps

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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Foundation

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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.

*J. P. R. H.*

Electrical Engineers.

Date *2.4.25*

#### COMPASSES

Distance between electric generators or motors and standard compass *50 ft*

Distance between electric generators or motors and steering compass *40 ft*

The nearest cables to the compasses are as follows:—

A cable carrying *0.5* Amperes *4'3* feet from standard compass *2* feet from steering compass.

A cable carrying *1* Amperes *1* feet from standard compass *1* feet from steering compass.

A cable carrying *1* Amperes *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 *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 *nil* degrees on *every* course in the case of the standard compass, and *nil* degrees on *every* course in the case of the steering compass.

*J. M. M. Shipbuilding Co.*

Builder's Signature. Date

Is this installation a duplicate of a previous case *Yes* If so, state name of vessel *FOREMOST 26*

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

*been fitted in accordance with the Rules, workmanship good, same was found in a good working condition when tried and much in my opinion the Committee's approval*

*Elec. Light.*

*G. A.*

*5/8/26.*

Total Capacity of Generators *1.4* Kilowatts

The amount of Fee ...

*£60.00*

When applied for,

19

Travelling Expenses (if any) £

When received,

13/8/26

FRI. 6 AU. 1926

Committee's Minute

Assigned

*Elec. Light.*

FRI. 17 DEC. 1926

*J. J. O'Brien*  
Surveyor to Lloyd's Register of Shipping.