

Rpt. 13.

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

No. 16627

26 JUL 1927

Date of writing Report 14-7-27 When handed in at Local Office 19 Port of

No. in Survey held at Rotterdam Date, First Survey 23-4 Last Survey 13-7 1927
Reg. Book. on the Single Screw Steamer "BOSKOOP" (Number of Visits 10)

Built at Kampen in Yssel By whom built Giesse & Zoon Scheepwerf Yard No. 545 Tons { Gross
Net
Owners Koninklijke Hoofddoel Mij Port belonging to Amsterdam When built 1924

Electric Light Installation fitted by A. de Hoop Contract No. When fitted 1927

System of Distribution Double wire

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

Direct or Alternating Current, Lighting Direct current Power Direct current

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 rating 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 No, 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 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, 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 Near dynamo 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

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

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 micaite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework Yes

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 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 One double pole change over switch and double pole fuses for each outgoing circuit

Instruments on main switchboard 2 ammeters 2 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 2 earth lamps

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

If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office Yes

4

All Conductors are of annealed copper conforming to British Standard Specification No. 7. *Yes*
The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
The foregoing is a correct description.

N.V. ELECTROTECHNISCH-BUREAU

A. DE HOF

Electrical Engineers.

Date

15 Juli '27

COMPASSES.

Distance between electric generators or motors and standard compass *100 feet*

Distance between electric generators or motors and steering compass *92 feet*

The nearest cables to the compasses are as follows:—

A cable carrying *0.4* Amperes *10* feet from standard compass *8* feet from steering compass.

A cable carrying *0.4* Amperes feet from standard compass *8* 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 *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 degrees on *every* course in the case of the standard compass, and degrees on *every* course in the case of the steering compass.

C. van der Giessen & Zonen's
Scheepswerven.

Builder's Signature.

Date

23 Juli '27

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

SS BAARN

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

This installation has been fitted in accordance with the Society's Rules and was found in a good working condition when tried and merits in my opinion the Committee's approval

It is submitted that
this vessel is eligible for
THE RECORD, Elec. light.

Total Capacity of Generators *16.5* Kilowatts.

The amount of Fee ...

£ 192.00

When applied for,

18/7/27

When received,

24/8/27

Travelling Expenses (if any) £

Committee's Minute

FRI. 29 JUL 1927

Assigned

Elec. Light



© 2020

Lloyd's Register
Foundation