

Rpt. 13.

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report *April 3rd 1928* When handed in at Local Office *April 4th 1928* Port of *Rotterdam*

No. in Survey held at *Bolnes* Date, First Survey *16-2-28* Last Survey *29-3-1928*
Reg. Book. (Number of Visits *2*)

on the *Motor vessel "Skelljunger"* Tons { Gross *147.08*
Net *74.88*

Built at *Bolnes* By whom built *Pot Bros* Yard No. *800* When built *1928*

Owners *Holstafjelagio Shell A.* Port belonging to *Reykjavik Iceland*

Electric Light Installation fitted by *N.V. Groeneveld, Van der Poll & Co's* Contract No. *Electrotechnische Fabriek* When fitted *March 1928*

System of Distribution

Two conductors

Pressure of supply for Lighting

110 volts, Heating*12* volts, Power

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 *yes*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 Engine room port side

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 *yes*and *yes*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 *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**yes*

proportion of omnibus

ars

individual fuses to voltmeter, pilot or earth lamp *yes*connections of switches *yes*

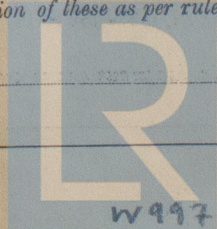
Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches

double pole switch, quick shut off.

Instruments on main switchboard

1 ammeters*1* 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 *with earth lamp**two 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*

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

Rotterdam
N.V. Groeneveld, Van der Poll & Co's
Electrotechnische Fabriek

Electrical Engineers.

Date April 3rd 1928

COMPASSES.

Distance between electric generators or motors and standard compass

30 feet

Distance between electric generators or motors and steering compass

36

The nearest cables to the compasses are as follows:-

A cable carrying $\frac{1}{2}$ Ampères 8 feet from standard compass 10 feet from steering compass.

A cable carrying $\frac{1}{2}$ Ampères 8 feet from standard compass 10 feet from steering compass.

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

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.

SCHEEPSBOUWWERF GEBR'S POT.

W. A. M. A. M.

Builder's Signature.

Date

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 Rules and found in 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.

J. D. D.
27/4/28

Total Capacity of Generators 5 Kilowatts.

The amount of Fee ... £ 60.00 : { When applied for, 14 1928
Travelling Expenses (if any) £ < : { When received, 19/4 1928

W. H. B. Bourne
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 27 APR 1928

Assigned

Elec. Lt.



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