

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 3 JUN 1929

Date of writing Report 25. 5. 1929 When handed in at Local Office 26. 5. 1929 Port of DANZIG

No. in Survey held at DANZIG Date, First Survey 14th Nov. 1928 Last Survey 21st May 1929
Reg. Book. (Number of Visits Nine)92146 on the Steamer "SORVANGEN" Tons { Gross 2400
Net 1363

Built at DANZIG By whom built The Int. S. B. & Eng. Co. Ltd. Yard No. 54 When built 1929.

Owners Skibsaktieselskabet Karabien
(Gornisson & Co. Akties. A/S)

Port belonging to Oslo.

Electric Light Installation fitted by Schiffsmann G. m. b. H. Contract No. ✓ When fitted 1929.

System of Distribution Two wire direct current.

Pressure of supply for Lighting 110 volts, Heating — volts, Power 110 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 —, 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 Engine room stb. side, working platform.

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 axis of rotation fore and aft no, (London Letter dated 9th April 1929 addressed to Builders)

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 Engine room, near the generator.

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, 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. Generator: A double

pole linked switch and a fuse on each pole; — outgoing, circuits a double pole linked switch

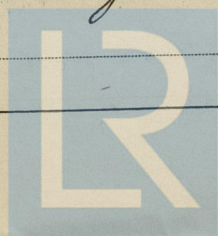
or a single pole change over switch and a fuse on each pole.

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. 2 earth 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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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.

SCHIFFSUNION

Elektrizitätsgesellschaft für Frachten- und Handels-Schiffe

Electrical Engineers.

Date

28. Mai 1929

COMPASSES.

Distance between electric generators ~~or motors~~ and standard compass *Ass 130'*

Distance between electric generators ~~or motors~~ and steering compass *" 138'*

The nearest cables to the compasses are as follows:—

A cable carrying *1* Ampères *4* feet from standard compass *4* feet from steering compass.

A cable carrying *10* Ampères *5* feet from standard compass *7* 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

The maximum deviation due to electric currents was found to be *nil* degrees on *all* course in the case of the standard compass, and *nil* degrees on *all* course in the case of the steering compass.

THE INTERNATIONAL
SHIPBUILDING AND ENGINEERING CO. LTD

Builder's Signature.

Date

29. Mai 1929

Is this installation a duplicate of a previous case *yes* If so, state name of vessel *"Nordvanger"*

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

This Installation has been fixed in accordance with the approved plan and the requirements of the Rules, with exception of the position of the generator. As the conductors used are of the German Standards, the Society's Rules regarding conductors have been applied generally.

The Installation has been tried under full load and gave entire satisfaction.

It is eligible in our opinion for the notation of "Electric Light."

It is submitted that
this vessel is eligible for
THE RECORD.

Elec. Light

5/6/29

NOTE: The Fee of £10.0.0 is to be credited to Stettin.

Total Capacity of Generators *10* Kilowatts

The amount of Fee ... £ *10 : 0* : *21.5.1929*

Travelling Expenses (if any) £ *✓* : *✓* : *18/6/29*

Surveyor to Lloyd's Register of Shipping.

James C. Dykes
Surveyor to Lloyd's Register
of Shipping

Committee's Minute

Assigned

Elec Light



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