

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 19.11.24

Date of writing Report 27. Oct. 1924. When handed in at Local Office

19

Port of HAMBURG

No. in Survey held at

KIEL

Date, First Survey 26th Sept.Last Survey 11th October

1924.

Reg. Book.

on the Steel S.S. "VENEDIA"

(Number of Visits 4)

Tons { Gross 1450
Net 627

Built at

KIEL

By whom built

HOWALDTSWERKE

Yard No. 642

When built

1924.

Owners

A/E. DAMPEKISSELSTABET D. F. K.

Port belonging to

COPENHAGEN

Electric Light Installation fitted by

HOWALDTSWERKE.

Contract No.

When fitted

1924.

System of Distribution

Two wire ✓

Pressure of supply for Lighting

110 ✓

volts, Heating

volts, Power

volts.

Direct or Alternating Current, Lighting

direct. ✓

Power ✓

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 ✓

Generators, do they comply with the requirements regarding overload ✓

are they compound wound Shunt wound.

are they over compounded 5 per cent. ✓

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 ✓

Are all terminals accessible and clearly marked ✓

are they so spaced or shielded that they cannot be accidentally earthed,

or short circuited ✓

Are the lubricating arrangements of the generators as per Rule ✓

Position of Generators

St. side engine room

is the ventilation in way of the generators satisfactory ✓

are they clear of all inflammable material ✓

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 ✓

Earthing, are the bedplates and frames of the generating plant efficiently earthed ✓

are the prime movers and

their respective generators in metallic contact ✓

Main Switch Boards, where placed

St. side 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 ✓

are they protected from mechanical injury and damage from water, steam or oil ✓

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 ✓

is all insulation of high dielectric strength and of

permanently high insulation resistance ✓

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 ✓

and is the

frame effectively earthed ✓

Are the following fittings as per Rule, viz.:— spacing or shielding of live parts

✓, accessibility of all parts ✓

absence of fuses on back of board ✓

proportion of omnibus

bars 20 x 2 1/2 in.

individual fuses to voltmeter, pilot or earth lamp ✓

connections of switches ✓

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

For the generator:

A double pole linked switch and a fuse on each pole. For each outgoing circuit: a single pole switch on one pole and a fuse on each pole.

Instruments on main switchboard

1

ammeters

1

voltmeters

synchronising device for paralleling purposes.

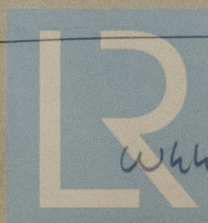
Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

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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 www-0087(1/2) Register
Foundation

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

MOTOR CONDUCTORS.									
Ref. No.	DESCRIPTION.	No. of Motors.	Effective Area of each Conductor. Sq. Ins.	COMPOSITION OF STRAND.		Total Maximum Current. Amperes.	Approximate Length. (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
				No.	Diameter.				
	BALLAST PUMP								
	MAIN BILGE LINE PUMPS								
	GENERAL SERVICE PUMP								
	EMERGENCY BILGE PUMP								
	SANITARY PUMP								
	CIRC. SEA WATER PUMPS								
	CIRC. FRESH WATER PUMPS								
	AIR COMPRESSOR								
	FRESH WATER PUMP ...								
	ENGINE TURNING GEAR ...								
	ENGINE REVERSING GEAR								
	LUBRICATING OIL PUMPS								
	OIL FUEL TRANSFER PUMP								
	WINDLASS								
	WINCHES, FORWARD								
	WINCHES, AFT								
	STEERING GEAR								
	WORKSHOP MOTOR								
	VENTILATING FANS								

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.

The Guilders are the

Electrical Engineer

Date *July 31/10/24*

COMPASSES.

Distance between electric generators or motors and standard compass

48 in.

Two wire system

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying *0.5* Ampères *close to* feet from standard compass *close to* feet from steering compass.

A cable carrying Ampères feet from standard compass 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 course in the case of the standard compass, and *nil* degrees on course in the case of the steering compass.

HOWALDTSWERKE

Builder's Signature.

Date *July 31/10/24*

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.)

Workmanship and material are of good quality. As the conductor wires are of the "German Standards" the Society's Rules respecting conductors have been applied generally. The electric installation is otherwise fitted in conformity with the requirements of the Rules and is eligible in my opinion for the record of "ELEC. LIGHT."

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

Friedrich
20/11/24

Total Capacity of Generators *5* Kilowatts

The amount of Fee £ *5. 0. 0.* : *21-0-1924*

Travelling Expenses (if any) £ *✓* : *22-11-1924*

Committee's Minute *FRI. 21 NOV 1924*

Assigned

Elec Lt

FRI. 12 JUN 1925

Friedrich
Surveyor to Lloyd's Register of Shipping.

Im. 922.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)