

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

10 NOV 1920

Received at London Office

Date of writing Report *7 Nov* 19*20* When handed in at Local Office *10* Port of *Rotterdam*.

No. in Survey held at *Rotterdam* Date, First Survey *24 Sept* Last Survey *6 Nov* 19*20*
 Reg. Book. (Number of Visits *16*)

on the *S. S. Jonge Johanna* Tons { Gross *1463.77*
 Net *706.11*

Built at *Rotterdam* By whom built *P. Smit & Co.* Yard No. *437* When built *1920*
Wm. H. Maatschappij S. S. Jonge Johanna

Electric Light Installation fitted by *N. T. Clerk: Tech: Bureau A de Hoop* Contract No. When fitted *1920*

System of Distribution *Two wire*

Pressure of supply for Lighting *110* volts, Heating *—* 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 *—*, 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 *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 *Yes* 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 *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 *—* and *—*

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*, 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

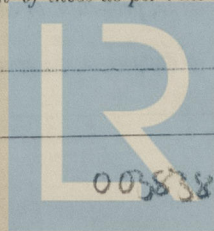
2 single pole switches fuses and 1 double pole switch, and for each outgoing circuit 2 single pole fuses and 1 double pole switch

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*

Joint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule *Yes*



© 2021

Lloyd's Register
Foundation

005838-005845-0332-2

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—								
	(a) MOTOR GENERATOR ...								
	(b) MAIN MOTOR								
	WORKSHOP MOTOR								
	VENTILATING FANS No. 1. 1		0.01467	4	0.052	16 ✓	210 ft.	rubber	Lead armored.
	" " No. 2. 1		0.01462	4	0.052	16 ✓	150 "	"	"

© 2021

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.

N. V. ELECTROTECHNISC BUREAU
A. DE HOOP

Electrical Engineers.

Date 30 October 1928

COMPASSES.

Distance between electric generators or motors and standard compass 27 ft.

Distance between electric generators or motors and steering compass 21 "

The nearest cables to the compasses are as follows:—

A cable carrying 1 Ampères 6 feet from standard compass 4 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 ✓ degrees on ✓ course in the case of the standard compass, and ✓ degrees on ✓ course in the case of the steering compass.

MACHINEFABRIEK & SCHEEPSWERF

van P. SMIT jr.

Builder's Signature.

Date 8 Nov 28

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 Society's Rules was found in good working condition when tried and merits in my opinion the Committee's approval.

elec. light
J.S.M.
14/11/28

Total Capacity of Generators 10 Kilowatts.

The amount of Fee ...

£129.00

When applied for,

9/11 1928

Travelling Expenses (if any) £

When received,

15-11-28

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 16 NOV 1928

Assigned

elec. light

1m. 127.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



© 2021

Lloyd's Register
Foundation