

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....
No. of threads per inch *28/6* When handed in at Local Office *1928* Port of *Copenhagen*
Survey held at *Nakskov* Date, First Survey *16/5* Last Survey *26/6* 19*28*
(Number of Visits.....*8*.....)
Thickness *189* on the *Star Line L. Lloyd vessel "VICTORIA"*
Tons { Gross *4499.93*
Net *2746.83*
When built *1928*
By whom built *Nakskov Skibsværft* Yard No. *34*
Port belonging to *Copenhagen*
Electric Light Installation fitted by *Nakskov Skibsværft* Contract No. *✓* When fitted *1928*

of Distribution *2 conductors insulated system*
ure of supply for Lighting *110* volts, Heating *✓* volts, Power *220* volts.
or Alternating Current, Lighting *direct* Power *direct*
is a correct description of the current system, state frequency of periods per second *✓*
Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off *yes*
ators, do they comply with the requirements regarding rating *yes*, are they compound wound *yes*
over compounded 5 per cent. *yes*, if not compound wound state distance between each generator *✓*
more than one generator is fitted are they arranged to run in parallel *yes*, is an adjustable regulating resistance fitted in
th each shunt field *yes*
terminals accessible, clearly marked, and furnished with sockets *yes*, are they so spaced or shielded that they cannot be accidentally earthed,
coiled, or touched *yes* Are the lubricating arrangements of the generators as per Rule *yes*
n of Generators *plant in the motor room, port side*
survey and installation in way of the generators satisfactory *yes*, are they clear of all inflammable material *yes*
ed 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*
axes of rotation fore and aft *yes*
g, are the bedplates and frames of the generating plant efficiently earthed *yes* are the prime movers and
ective generators in metallic contact *yes*
itch Boards, where placed *on a platform aft in the motor room*
If the generators and main switchboard are not placed in the same compartment, is each generator provided with
each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard *✓*
ards, are they placed in accessible positions, free from inflammable gases and acid fumes *yes*
ected from mechanical injury and damage from water, steam or oil *yes*, if situated near unprotected
or other combustible material, state distance of same horizontally from or vertically above the switchboards *✓* and *✓*
nstructed wholly of durable, non-ignitable non-absorbent materials *of marble*, is all insulation of high dielectric strength and of
y high insulation resistance *yes*, if semi-insulating material is used, are all conducting parts insulated from the slab
r micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework *yes*
rame effectively earthed *yes* Are the fittings as per Rule regarding:— spacing or shielding of live parts
s, accessibility of all parts *yes*, absence of fuses on back of board *yes*, proportion of omnibus
yes, individual fuses to voltmeter, pilot or earth lamp *yes*, connections of switches *yes*
chgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches *for each generator: a*
circuit breaker with manual current trip, overload breaker and equalizer switch as per
3, para. 3 A (f). Outgoing circuits: 2 single pole circuit breakers and a fuse on each pole.
s on main switchboard *6* ammeters *4* voltmeters *✓* synchronising device for paralleling purposes.
ing, state what means are provided at the main switchboard for indicating the state of the insulation of the system *2 sets of earth*
and 2 voltmeters fitted with Ω scale.

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*

W. H. H. H.
Surveyors to Lloyd's Register

W556-0310 1/2



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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. <i>20</i>	Insulated with	HOW PROTECTED.
				No.	Diameter.				
<i>HP.</i> 15	BALLAST PUMP	1	25	7	2.13	50 ✓	44	RUBBER	LEAD COVERED
9	MAIN BILGE LINE PUMPS ... SANITARY GENERAL SERVICE PUMP	1	16	7	1.70	30 ✓	36.	"	AND ARMOURD CABLES USED
30	EMERGENCY BILGE PUMP ... SANITARY PUMP								
30	CIRC. SEA WATER PUMPS ... LUBR. OIL FRESH WATER PUMPS	2	70	19	2.16	100 ✓	22.	"	LED THROUGH
5.8	COLD COMPRESSOR	1	6	7	1.05	17 ✓	32	"	GALV. IRON TUBES
1	COOLING WATER PUMP FOR CONDENS.	1	2.5	7	0.67	3.5 ✓	34	"	OR
3	ENGINE TURNING GEAR ... ENGINE REVERSING GEAR ...	2	2.5	7	0.67	10 ✓	64	"	PROTECTED BY WOOD CASINGS.
9	LUBRICATING OIL PUMPS ...	1	16	7	1.70	30 ✓	15	"	"
52	OIL FUEL TRANSFER PUMP ...	1	120	37	2.03	175 ✓	186.	"	"
16	WINDLASS	4	120	37	2.03	132 ✓	140	"	"
16 33	WINCHES, FORWARD ... WINCHES, AFT	4 4	120	37	2.03	200 ✓	68	"	"
	STEERING GEAR—								
15	(a) MOTOR GENERATOR ...	1	25	7	2.13	50 ✓	110	"	✓
2	(b) MAIN MOTOR	1	2.5	7	0.67	7 ✓	40	"	✓
0.25	WORKSHOP MOTOR	1	2.5	7	0.67	1 ✓	70	"	"
12	VENTILATING FAN GALLEY ...	1	25	7	2.13	40 ✓	12.	"	"
16	MOTOR-GENERATOR	2	50	19	1.83	02 ✓	76.	"	"
2	WINCHES AMIDSHIPS	2	2.5	7	0.67	7 ✓	10.	"	"
	OIL PURIFIERS	2	2.5	7	0.67	7 ✓	10.	"	"

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

AKTIESELSKABET
NAKSKOV SKIBSVÆRFT

Electrical Engineers.

Date

6/7.28

COMPASSES.

Distance between electric generator ^{FOR WIRELESS} and standard compass 11 m.

Distance between electric generator ^{FOR WIRELESS} and steering compass 12 m.

The nearest cables to the compasses are as follows:—

A cable carrying 0.14 Amperes 7" ^{THE MAGNETIC SYSTEM} feet from standard compass 7" ^{MAGNETIC SYSTEM} feet from steering compass.

A cable carrying 7 Amperes 3 m feet from standard compass 4.5 m feet from steering compass.

A cable carrying 1 Amperes 4 m feet from standard compass 1 m 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 0 degrees on any course in the case of the standard compass, and 0 degrees on any course in the case of the steering compass.

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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.)

The Electric Light & Power Installation as above described has been fitted in accordance with the Society's Rules, the approved plan and the requirements contained in the Surveyor's letter 2 dated 28/1.28.

The material used for the installation is of high quality and the workmanship of good description throughout.

After completion the whole installation was tested under full power working conditions and found satisfactory.

Recommend the vessel to have notation of ELECTRIC LIGHT in the Reg. Book.

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

Elec. Light

D.H. 11/7/28.

Total Capacity of Generators 169 Kilowatts.

The amount of Fee ... £ 636.09

When applied for,

7.7.19.28

Travelling Expenses (if any) £ :

When received,

8.8.28

Ad. F. ...
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

1000 19 JUL 1928

Assigned

Elec. Light