

Insulation of Cables, state type of cables, single or twin single are the cables insulated and protected as per Tables III yes of the Rules yes

Fall of Pressure, state maximum between-bus bars and any point of the installation under maximum load 3.5

Cable Sockets and other connections, are the ends of all cables having a sectional area of 0.007 square inch and above provided with soldering sockets yes

Paper Insulated Cables. If cables are paper covered, is the dielectric at the exposed ends of the conductor protected from moisture by being suitably sealed with insulating compound -

Cable Runs, are the cables fixed as far as possible in accessible positions not exposed to drip or accumulation of water or oil, or to high temperature from boilers, steam pipes, uptakes or other hot objects, or to avoidable risk of mechanical damage yes

Support and Protection of Cables, state how the cables are supported and protected lead covered cables in galvanized iron pipes along deck, lead covered cables in accommodation

If cables are run in wood casings, are the casings and caps secured by screws -, are the cap screws of brass - are the cables run in separate grooves -. If armoured and lead covered cables are secured by metal clips, are the clips spaced as per Table VI yes

Refrigerated Chambers, if lights are fitted, are the cables and fittings in accordance with the special requirements -

Joints in Cables, state if any, and how made, insulated, and protected none made

Watertight Glands and Deck Tubes, are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands yes

Bushes in Beams and Non-watertight Positions, where unarmoured cables pass through beams and non-watertight partitions, are the holes efficiently bushed yes state the material of which the bushes are made lead

Earthing Connections, state what earthing connections are fitted and their respective sectional areas -, are their connections made as per Rule -

Alternative Lighting, are the groups of lights in the propelling machinery space arranged as per Rule yes

Emergency Supply, state position and method of control of the emergency supply and how the generator is driven none fitted

Navigation Lamps, are these separately wired yes, controlled by separate switch and separate fuses yes

are the fuses double pole yes, are the switches and fuses grouped in a position accessible only to the officers on watch yes

has each navigation lamp an automatic indicator as per Rule yes, are separate screens provided for the use of oil and electric side lights yes

are separate oil lanterns provided for the mast head lights and side lights yes

Fittings, are all fittings on weather decks, in stokeholds and engine rooms and wherever exposed to drip or condensed moisture, watertight yes

are any fittings placed in spaces in which goods are liable to be stacked in close proximity to them; if so, how are they protected no

are any fittings placed in spaces where inflammable or explosive dust or gases are liable to be present, if so, how are they protected no

-, how are the cables led -

where are the controlling switches situated -

Searchlight Lamps, No. of -, whether fixed or portable -, are their fittings as per Rule -

Are Lamps, other than searchlight lamps, No. of -, are their live parts insulated from the frame or case -, are their fittings as per Rule -

Motors, are their working parts readily accessible -, are the coils self-contained and readily removable for replacement -

are the brushes, brush holders, terminals and lubricating arrangements as per Rule -, are the motors placed in well-ventilated compartments in which inflammable gases cannot accumulate and clear of all inflammable material -

are they protected from mechanical injury and damage from water, steam or oil - are their axis of rotation fore and aft -

if situated near unprotected woodwork or other combustible material, are the motors of the totally enclosed, pipe ventilated, forced draught, drip or flame proof type -

-, if not of this type, state distance of the combustible material horizontally or vertically above the motors - and -

Control Gear and Resistances, are the generator field and motor speed regulators, starters and controllers constructed as per Rule -

Lightning Conductors, where lightning conductors are required, are these fitted as per Rule -

Ships carrying Oil having a Flash Point less than 150° F. Have the special requirements of the Rules been complied with regarding switches, joint boxes, section and distribution boards, protection of cables, method of distribution, lead of cables, lights and fittings -

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

PARTICULARS OF GENERATING PLANT.									
DESCRIPTION OF GENERATOR.	No. of	RATED AT				DRIVEN BY.	WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE.		
		Kilowatts.	Volts.	Ampères.	Revs. per Min.		Fuel Used.	Flash Point of Fuel.	
MAIN ...	1.	10	110	90	300	single cylinder steam engine			
AUXILIARY ...									
EMERGENCY ...									
ROTARY TRANSFORMER									

LIGHTING AND HEATING CONDUCTORS.									
Ref. No.	DESCRIPTION.	No. of Conductors.	Effective Area of each Conductor. Sq. Ins.	COMPOSITION OF STRAND.		Total Maximum Current. Ampères.	Approximate Length. (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
				No.	Diameter.				
1.	MAIN GENERATOR...	2	.10090	19	.083	90	40	Pure rubber	Lead covered
	AUXILIARY GENERATOR								
	EMERGENCY GENERATOR								
	ROTARY TRANSFORMER...								
	AUXILIARY SWITCHBOARDS								
2.	ENGINE ROOM ...	2	.01046	7	.044	13.2	46	" "	Lead covered
	BOILER ROOM ...								
3.	Salon & forward	2	.02214	7	.064	20.5	240	" "	Lead covered
4.	alc	2	.00701	7	.036	9.0	80	" "	Lead covered
5.	WIRELESS ...	2	.01046	7	.044	25	280	Pure rubber	Lead covered
	SEARCHLIGHT ...								
6.	MASTHEAD LIGHT...	2	.00152	1	.044	1.02	120	" "	Ins in pipes
7.	SIDE LIGHTS ...	2	.00152	1	.044	1.02	20	" "	Lead covered
8.	COMPASS LIGHTS ...	2	.00152	1	.044	.5	12	" "	" "
9.	STEAM LIGHTS ...	2	.00152	1	.044	1.02	290	" "	" "
10.	CARGO LIGHTS ...	2	.02214	7	.064	32	40	" "	" "
	ARC LAMPS ...								
	HEATERS ...								

MOTOR CONDUCTORS.									
Ref. No.	DESCRIPTION.	No. of Motors.	Effective Area of each Conductor. Sq. Ins.	COMPOSITION OF STRAND.		Total Maximum Current. Ampères.	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.

For Clarke, Chapman & Co., Ltd.
W. W. Woodson
Director

Electrical Engineers.

Date Aug 14th 1925

COMPASSES.

Distance between electric generators or motors and standard compass 146 ft

Distance between electric generators or motors and steering compass 140 "

The nearest cables to the compasses are as follows:—

A cable carrying .5 Amperes 12 feet from standard compass 6 feet from steering compass.

A cable carrying .5 Amperes 6 feet from standard compass 12 feet from steering compass.

A cable carrying . Amperes . 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 12 degrees on all course in the case of the standard compass, and 12 degrees on all course in the case of the steering compass.

FOR WILLIAM GRAY & Co., LIMITED

A. W. Glashan Director

Builder's Signature.

Date

Is this installation a duplicate of a previous case no If so, state name of vessel and covered

General Remarks

(State quality of workmanship, opinions as to class, etc.)

This installation has been fitted under survey.
The materials and workmanship are good and efficient.
On completion it was tried under full working conditions with satisfactory results.

It is submitted that
this vessel is eligible for
THE RECORD. Elee. Light
R.D.
19/8/25

Total Capacity of Generators 10. Kilowatts

The amount of Fee ... £ 10 : 0 : 31 July 1925

Travelling Expenses (if any) £ : : 7 Aug 1925

R. D. Shilston
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

1m.322.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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Foundation