

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

Fall of Pressure, state maximum between bus bars and any point of the installation under maximum load 2.0

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 socket 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 none used

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 clipped on perforated plate. Run through iron piping on deck (1 pipe for each polarity) V.S.P.S. on portable gratings in Eng. Rm. + V.C. elsewhere
 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 In a special joint box

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 Yes

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 Yes

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 -
 are any fittings placed in spaces where inflammable or explosive dust or gases are liable to be present, if so, how are they protected -
 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 -

Arc 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 Yes, are the coils self-contained and readily removable for replacement Yes
 are the brushes, brush holders, terminals and lubricating arrangements as per Rule Yes, are the motors placed in well-ventilated compartments in which inflammable gases cannot accumulate and clear of all inflammable material Yes
 are they protected from mechanical injury and damage from water, steam or oil Yes are their axis of rotation fore and aft Yes
 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 Yes

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

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 Yes
 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	6	110	55	400	Steam		
EMERGENCY	1	6	110	55	400	Horizontal oil eng.	Distar 150°	
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. Amperes.	Approximate Length. (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
				No.	Diameter.				
	MAIN GENERATOR...	1 p. pole	0.4	19	0.52	55		Rubber	lead cased
	AUXILIARY GENERATOR								
	EMERGENCY GENERATOR								
	ROTARY TRANSFORMER...								
	AUXILIARY SWITCHBOARDS								
	ENGINE ROOM	1 p. pole	0.04	4	0.30	24		Rubber	lead cased
	BOILER ROOM								
	RECOMODATION	1 p. pole	0.1	4	0.44	26		Rubber	lead cased
	WIRELESS	1 p. pole	0.14	4	0.56	10		Rubber	lead cased
	SEARCHLIGHT								
	MASTHEAD LIGHT...	1 p. pole	0.03	3	0.30	9		Rubber	lead cased
	SIDE LIGHTS...	"	0.02	3	0.29	9		"	"
	COMPASS LIGHTS...	"	0.02	3	0.29	3		"	"
	POOP LIGHTS	"	0.02	3	0.20	6		"	"
	CARGO LIGHTS	"	0.03	3	0.36	9		"	"
	ARC LAMPS								
	HEATERS								

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	1	0.04	4	0.36	25		Rubber	lead cased
	ENGINE REVERSING GEAR								
	LUBRICATING OIL PUMPS								
	OIL FUEL TRANSFER PUMP								
	WINDLASS								
	WINCHES, FORWARD								
	WINCHES, AFT								
	STEERING GEAR								
	WORKSHOP MOTOR								
	VENTILATING FANS								
	OIL PURIFIER	1	0.04	4	0.36	21		Rubber	lead cased

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 HARLAND AND WOLFF, LIMITED,

John Dickison

Managing Director

Electrical Engineers.

Date 18th June 1927

COMPASSES.

Distance between electric generators or motors and standard compass

65ft.

Distance between electric generators or motors and steering compass

60ft.

The nearest cables to the compasses are as follows:—

A cable carrying 3.3 Amperes 9 feet from standard compass 6 feet from steering compass.

A cable carrying 13 Amperes 12 feet from standard compass 15 feet from steering compass.

A cable carrying 20 Amperes 12 feet from standard compass 15 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 all the course in the case of the standard compass, and nil degrees on all the course in the case of the steering compass.

For HARLAND AND WOLFF, LIMITED,

John Dickison

Builder's Signature.

Date 18th June 1927

Managing Director

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 on board under special survey.

Tested under full working conditions and found satisfactory.

The workmanship was found to be good and sound.

It is submitted that this vessel is eligible for THE RECORD, Elec. Light.

JWD
8/7/27

Total Capacity of Generators 12 Kilowatts

The amount of Fee ... £ 12.0.0 : When applied for, 4/7/27

Travelling Expenses (if any) £ : : When received, 5.8.27

J. Rankin
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 5-JUL 1927

Assigned *Glee Light*

Am. 0,21.—T. insfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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