

Cables: Single, twin, concentric, or multicore *single & twin* are the cables insulated and protected as per Tables IV ~~or V~~ of the Rules *yes*.

Fall of Pressure, state maximum between bus bars and any point of the installation under maximum load *3 Volts.*

Cable Sockets and other connections, are the ends of all cables having a sectional area of 0.04 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 *yes.*

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 *armoured cables used, supported by clips, where necessary the cables are protected by wood casings or iron screens.*

If cables are run in wood casings, are the casings and caps secured by screws *yes*, are the cap screws of brass *yes*, are the cables run in separate grooves *No.* If armoured and lead covered cables are secured by metal clips, are the clips spaced as per Table VIII *yes.*

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

Joints in Cables, state if any, and how made, insulated, and protected *No joints in main cables. Galvanic cast iron joint boxes used.*

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 Partitions, where armoured cables pass through beams and non-watertight partitions, are the holes efficiently bushed *yes* state the material of which the bushes are made *yes.*

Earthing Connections, state what earthing connections are fitted and their respective sectional areas *yes.* 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.*

Secondary Batteries, are they constructed and fitted as per Rule *yes.*

Fittings, are all fittings on weather decks, in stokeholds and engine rooms and where 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 *yes.*

are any fittings placed in spaces where inflammable or explosive dust or gases are liable to be present, if so, how are they protected *yes.* how are the cables led *yes.*

where are the controlling switches situated *yes.*

Searchlight Lamps, No. of *None.* whether fixed or portable *yes.* are their fittings as per Rule *yes.*

Arc Lamps, other than searchlight lamps, No. of *None.* are their live parts insulated from the frame or case *yes.* are their fittings as per Rule *yes.*

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 axes 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 *yes.* if not of this type, state distance of the combustible material horizontally or vertically above the motors *yes.* and *yes.*

Control Gear and Resistances, are the generator field and motor speed regulators, starters and controllers constructed and fitted as per Rule *yes.*

Lighting Conductors, where lighting 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 *yes.*

PARTICULARS OF GENERATING PLANT.

DESCRIPTION OF GENERATOR.	No. of	RATED AT				DRIVEN BY	WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE.	
		Kilowatts.	Volts.	Amperes.	Revs. per Min.		Fuel Used.	Flash Point of Fuel.
MAIN	1	66	220	300	400	2 cyl. auxil. Diesel eng.	middle oil	above 150° F.
AUXILIARY	2	33	220	150	400	2 cyl. auxil. " " "	"	"
EMERGENCY								
ROTARY TRANSFORMER	1	7 1/2	110	68	1500	Electromotor.		

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. 1/2	Insulated with	HOW PROTECTED.
				No.	Diameter.				
	MAIN GENERATOR...	2	0.5	61	0.103"	300	24	rubber	lead
	EQUALISER CONNECTIONS	1	185 mm ²	37	2.52 mm		24	"	conduit
	AUXILIARY GENERATORS	2	120	34	2.03	150	34-44	"	and
	EQUALISER CONNECTIONS	1	95	19	2.32		34-44	"	armoured
	EMERGENCY GENERATOR	1	95	19	2.32		34-44	"	with
	ROTARY TRANSFORMER...	2	35	19	1.53	68	5	"	sheath wire
	AUXILIARY SWITCHBOARDS								or
	ENGINE ROOM	2	4	7	0.85	14	6	"	lead conduit
	BOILER ROOM								and
	ACCOMMODATION								conduit
	OFFICERS	2	4	7	0.85	14	55	"	sheath wire
	PANTRY	2	6	7	1.05	25	150	"	braided.
	RAFT	2	4	7	0.85	14	180	"	"
	CHART ROOM	2	2.5	7	0.67	7	160	"	"
	WIRELESS	2	6	7	1.05	30	158	"	"
	SEARCHLIGHT								"
	MASTHEAD LIGHT...	2	1.5	1	1.38	0.5	190-100	"	"
	SIDE LIGHTS...	2	1.5	1	1.38	0.5	30-30	"	"
	COMPASS LIGHTS...	2	1.5	1	1.38	0.13	11-4	"	"
	POOP LIGHTS...	2	1.5	1	1.38	0.5	198	"	"
	CARGO LIGHTS...	2	1.5	1	1.38	9	46	"	"
	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. 1/2	Insulated with	HOW PROTECTED.
				No.	Diameter.				
	BALLAST PUMP	1	35	19	1.53	60	32	rubber	lead
	MAIN BILGE LINE PUMPS	1	16	7	1.70	30	30	"	conduit
	GENERAL SERVICE PUMP								and
	EMERGENCY BILGE PUMP								sheath wire
	SANITARY PUMP								armoured
	LUBRICATING OIL AND CIRC. SEA WATER PUMPS	2	70	19	2.16	95	18	"	"
	CIRC. FRESH WATER PUMPS	1	6	7	1.05	18	26	"	"
	AIR COMPRESSOR	1	6	7	1.05	18	26	"	"
	FRESH WATER PUMP	2	2.5	7	0.67	8	34	"	"
	ENGINE TURNING GEAR								"
	ENGINE REVERSING GEAR								"
	LUBRICATING OIL PUMPS								"
	OIL FUEL TRANSFER PUMP	1	16	7	1.70	38.5	24	"	"
	WINDLASS	1	2 x 70	2 x 19	2.16	250	210	"	"
	WINCHES, FORWARD	4	20	34	2.03	175	150	"	"
	WINCHES, AFT	4	150	37	2.27	200	130	"	"
	STEERING GEAR—								"
	(a) MOTOR GENERATOR...	1	35	19	1.53	75	200	"	"
	(b) MAIN MOTOR	1	35	19	1.53	75	200	"	"
	WORKSHOP MOTOR	1	2.5	7	0.67	10	40	"	"
	VENTILATING FANS								"
	WINCHES 9410411111	2	70	19	2.16	120	70	"	"

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.

H.P. Amy Electrical Engineers. Date _____

COMPASSES.

Distance between electric generators or motors and standard compass 11 m.

Distance between electric generators or motors and steering compass 11 m.

The nearest cables to the compasses are as follows:—

A cable carrying 0.3 Amperes 7" feet from standard compass 7" feet from steering compass.

A cable carrying 0.5 Amperes 14 feet from standard compass 6 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 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.

H.P. Amy 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 and Power Installation as above described has been fitted in accordance with the Rules, the approved plan and the requirements contained in the Surveyor's letter & dated 9/11/25.

The material used is of generally good description throughout, and the workmanship is good.

On completion the whole installation was tested under full power working conditions and found to work satisfactorily.

Recommends 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.

[Signature] 17/5/26

Total Capacity of Generators 132 Kilowatts.

The amount of Fee ... £ 614.67: When applied for, 19...

Travelling Expenses (if any) £ : : When received, 9/6/26

[Signature] Surveyor to Lloyd's Register of Shipping.

1m.126.—Transfer. (The Signatories are requested not to write on or below the space for Committee's Minute.)

Committee's Minute **M. 21 MAY 1926**

Assigned *Elec. Light*

