

current protection devices been tested under working conditions *Yes*

construction, protection, insulation, material, and position of these as per rule *Yes*

Cables: Single, twin, concentric, or multicore *All* are the cables insulated and protected as per Tables IV, V, X or XI of the Rules *Yes*

If the cables are insulated otherwise than as per Rule, are they of an approved type *Yes* **Fall of Pressure,** state maximum between bus bars and any point of the installation under maximum load *3%*

Cable Sockets, are the ends of all cables having a sectional area of 0.04 square inch and above provided with soldering sockets *Yes* **Paper Insulated and Varnished Cambric Insulated Cables,** If conductors are paper or varnished cambric insulated, is the dielectric at the exposed ends of the conductor protected from moisture by being suitably sealed with insulating compound *Yes*, or waterproof insulating tape *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* Are cables in machinery spaces, galleys, laundries, bathrooms and lavatories lead covered or run in conduit *Lead covered*

Support and Protection of Cables, state how the cables are supported and protected *Supported on flat iron hangers*

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 *Yes* If armoured and lead covered cables are secured by metal clips, are the clips spaced as per Table VIII *Yes*

Refrigerated Chambers, are the cables and fittings in accordance with the special requirements *None*

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

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 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 *None*

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 *None*

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 *None*

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

are all fittings suitably ventilated *Yes*, are all switches and lampholders constructed wholly of non-ignitable, non-absorbent materials *Yes*

Heating and Cooking Appliances, are they constructed and fitted as per Rule *Yes*, are air heaters constructed and fitted as per Rule *Yes*

Searchlight Lamps, No. of *3*, whether fixed or portable *fixed*, are their fittings as per Rule *Yes*

Arc Lamps, other than searchlight lamps, No. of *0*, 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* and, if not of this type, state distance of the combustible material horizontally or vertically above the motors *Yes*

have machines of over 100 BHP been inspected by the Surveyors during manufacture and testing *Yes* **Control Gear and Resistances,** are the generator field and motor speed regulators, starters and controllers constructed and fitted 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* are all fuses of the filled cartridge type *Yes* are they of an approved type *Yes*

If portable lamps for use in dangerous spaces are supplied, are they of a self-contained, battery-fed type approved by the Home Office *Yes*

Spare Gear, if the vessel is for open sea service have spares been supplied as per Rule *Yes*

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	2	210	240	1040	1200	Steam Turbine		
AUXILIARY	1	40	"	167	"	Diesel	Diesel oil	
EMERGENCY								
ROTARY MOTOR TRANSFORMER GENERATOR	2	25	120	208	1750	Motor		

GENERATOR, LIGHTING AND HEATING CONDUCTORS.

DESCRIPTION.	No. per Pole.	CONDUCTORS.		COMPOSITION OF STRAND.		TOTAL MAXIMUM CURRENT AMPERES.		Approximate Length (Lead and Return) Feet.	Insulated with	HOW PROTECTED.
		Total Nominal Area per Pole Sq. Ins.	No.	Diameter.	In Circuit.	Rule.				
MAIN GENERATOR	2	1.70	61	.128	1040	1476	50	VC	Lead & varnished	
EQUALISER CONNECTIONS	1	.785	61	.128	-	738	50	"	"	
AUXILIARY GENERATOR	1	.197	37	.082	210	296	70	"	"	
EMERGENCY GENERATOR										
ROTARY MOTOR TRANSFORMER GENERATOR	1	.166	19	.106	147	246	80	VC	"	
ENGINE ROOM	1	.236	37	.09	260	343	80	"	"	
BOILER ROOM	1	.041	7	.086	67	104	40	"	"	
AUXILIARY SWITCHBOARDS										
EATHOMETER	1	.020	7	.061	10	75	500	VC	"	
GYRO. COMPASS	1	.013	7	.049	14	57	500	"	"	
SHORE LINE	1	.166	19	.106	-	246	200	"	"	
RUDDER INDICATOR	1	.003	7	.024	2	12.9	200	RC	"	
MACHINE SHOP POWER	1	.041	7	.086	54	104	160	VC	"	
ACCOMMODATION										
MIDSHIP L.T.G.	1	.166	19	.106	120	246	440	VC	"	
UPPER DEK L.T.G.	1	.052	7	.097	76	131	170	"	"	
POOP	1	.041	7	.086	71	104	160	"	"	
RUNNING L.T.S.	1	.008	7	.039	3	28	520	"	"	
WIRELESS	1	.02	7	.061	10	75	460	"	"	
SEARCHLIGHT										
MASTHEAD LIGHT										
SIDE LIGHTS										
COMPASS LIGHTS										
POOP LIGHTS										
CARGO LIGHTS										
ARC LAMPS										
HEATERS										

MOTOR CONDUCTORS.

DESCRIPTION.	No. of Motors.	CONDUCTORS.		COMPOSITION OF STRAND.		TOTAL MAXIMUM CURRENT AMPERES.		Approximate Length (Lead and Return) Feet.	Insulated with	HOW PROTECTED.
		No. Per Pole.	Total Nominal Area per Pole Sq. Ins.	No.	Diameter.	In Circuit.	Rule.			
Aux. COND. PUMP	1	1	.041	7	.086	58	104	60	VC	Lead & varnished
Ballast Pump	1	1	.066	19	.066	76	131	40	"	"
Aux. COND. CIRC. PUMPS	1	1	.020	7	.061	32	75	120	"	"
GENERAL SERVICE PUMP	1	1	.392	37	.116	360	464	120	"	"
EMERGENCY BILGE PUMP	1	1	.008	7	.039	20	28	100	"	"
SANITARY PUMP	1	1	.008	7	.039	20	28	120	"	"
ATMOS. DRAIN	1	1	.008	7	.039	12.6	28	120	"	"
CIRC. SEA WATER PUMPS	1	1	.392	37	.116	360	464	200	"	"
SHORE LINE	1	1	.008	7	.039	20	28	160	"	"
CIRC. FRESH WATER PUMPS	1	1	.008	7	.039	20	28	160	"	"
AIR COMPRESSOR	1	1	.003	7	.024	3.5	12.9	200	RC	"
REFRIG. COND. CIRC. PUMP	1	1	.020	7	.061	39	75	50	VC	"
FRESH WATER PUMP	1	1	.008	7	.039	12.6	28	180	"	"
ENGINE TURNING GEAR	1	1	.008	7	.039	12.6	28	180	"	"
VORTEX DUST CATCHER	1	1	.008	7	.039	12.6	28	180	"	"
ENGINE REVERSING GEAR	1	1	.008	7	.039	12.6	28	180	"	"
LUBRICATING OIL PUMPS	2	1	.041	7	.086	58	104	160	"	"
SEPARATOR	1	1	.003	7	.024	3.4	12.9	80	RC	"
DRY PUMP TRANSFER PUMP	1	1	.003	7	.024	3.4	12.9	120	"	"
PORTABLE WATER PUMP	1	1	.003	7	.024	2.4	12.9	120	"	"
WINDLASS	1	1	.003	7	.024	4.6	12.9	80	"	"
WASH WATER PUMP	1	1	.003	7	.024	4.6	12.9	80	"	"
WINDLASS, PORTABLE	1	1	.003	7	.024	4.6	12.9	80	"	"
L.O. PURIFIER	1	1	.008	7	.039	8.6	28	140	VC	"
VENT. FAN'S R.T.S.	2	1	.003	7	.024	6.6	12.9	130	RC	"
VENT. FAN'S R.T.S.	2	1	.003	7	.024	4.6	12.9	130	"	"
VENT. FAN'S ENG. ROOM	2	1	.003	7	.024	4.6	12.9	130	"	"
TOILET ROOM	1	1	.003	7	.024	1.6	12.9	200	"	"
STEERING GEAR	1	1	.003	7	.024	1.6	12.9	200	"	"
(a) Motor Generator	2	1	.132	19	.094	112	246	220	VC	"
(b) Main Motor	2	1	.132	19	.094	112	246	220	VC	"
BENCH LATHE	1	1	.003	7	.024	1.6	12.9	15	RC	"
WHEELING MACHINE	1	1	.003	7	.024	1.6	12.9	15	RC	"
CARGO PUMP ROOM	1	1	.008	7	.039	3.5	28	600	VC	"
VENTILATING FANS	1	1	.008	7	.039	3.5	28	600	VC	"
FORCED DRAFT	2	1	.314	37	.110	283	385	160	"	"
F.O. SERVICE	2	1	.020	7	.061	30	75	160	"	"
REFRIG. COMPRESSOR	2	1	.008	7	.039	20	28	200	"	"
MAIN COND. PUMP	2	1	.041	7	.086	58	104	160	"	"
LATHE	1	1	.008	7	.039	20	28	60	"	"
SHAPER	1	1	.008	7	.039	20	28	60	"	"
GRINDER	1	1	.008	7	.039	20	28	60	"	"
DRILL PRESS	1	1	.003	7	.024	4.6	12.9	90	"	"

© 2021

All Conductors are of annealed copper conforming to British Standard Specification No. 7 (or International Electro-technical Commission Publication No. 28).

The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.

The foregoing is a correct description.

D.M. Jackson
per [signature]

Electrical Engineers.

Date 10/13/42

COMPASSES.

Distance between electric generators or motors and standard compass 12'

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying .1 Ampères 6 feet from standard compass - feet from steering compass.

A cable carrying .3 Ampères 8 feet from standard compass - feet from steering compass.

A cable carrying .5 Ampères 10 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.

D.M. Jackson
per [signature]

Builder's Signature.

Date 10/13/42

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 constructed under Specie Survey & in accordance with the approved plans, the workmanship and materials are good. The installation has been tried out under working conditions & found satisfactory. Please find attached letter received from the Westinghouse E.M. Co. covering shop test on motors used for essential services at sea. It will also be noted that the installation does not in every respect meet the Society's Requirements, it does however meet the requirements of the the American Government. As the over load & over speed tests have all proven satisfactory, it is respectfully submitted that this installation be accepted by the Committee.

Total Capacity of Generators 540 Kilowatts.

The amount of Fee ...

As agreed \$ 229.50
Travelling Expenses (if any) \$ 4.00

When applied for,

12 Dec 1942

When received,

19

W.R. Cunham

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

NEW YORK DEC 16 1942

Assigned

elec. light.



© 2021

Lloyd's Register Foundation