

current protection devices been tested under working conditions Yes **Joint Boxes, Section and Distribution Boards**, is the construction, protection, insulation, material, and position of these as per rule Yes

Cables: Single, twin, concentric, or multicore single 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 Negligible **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 conduit
Support and Protection of Cables, state how the cables are supported and protected In strong steel conduits

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 VIII Yes --

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

Joints in Cables, state if any, and how made, insulated, and protected No joints

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 Ground lamps only

are their connections made as per Rule Yes

Alternative Lighting, are the groups of lights in the propelling machinery space arranged as per Rule -- **Emergency Supply**, state position and method of control of the emergency supply and how the generator is driven Oil lamps and hand battery lamps

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 ---

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 --, are all switches and lampholders constructed wholly of non-ignitable, non-absorbent materials --

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

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 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 --

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

have machines of over 100 BHP been inspected by the Surveyors during manufacture and testing -- **Control Gear and Resistances**, are the generator field and motor speed regulators, starters and controllers constructed and fitted 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 -- 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.	Ampere.	Revs. per Min.		Fuel Used.	Flash Point of Fuel.
MAIN ...	2	15	115	130	575	Single Cylinder		
AUXILIARY ...						Vertical Engine		
EMERGENCY ...						8" x 4"		
ROTARY TRANSFORMER								

GENERATOR, LIGHTING AND HEATING CONDUCTORS.

DESCRIPTION OF GENERATOR.	A.W.G. Size	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.			
MAIN GENERATOR #0000		1	0.1659	19	.1056	130	160	50 ft.	Rubber	Strong Steel Conduits
EQUALISER CONNECTIONS		1	0.1659	19	.1056	130	160	50 ft.	"	"
AUXILIARY GENERATOR										
EMERGENCY GENERATOR										
ROTARY TRANSFORMER MOTOR GENERATOR										
ENGINE ROOM #14		1	0.0032	7	.0242	5	11.5	60 ft.	"	"
BOILER ROOM #14		1	0.0032	7	.0242	5	11.5	75 ft.	"	"
AUXILIARY SWITCHBOARDS #4		1	0.0029	7	.0772	35	56.0	100 ft.	"	"
ACCOMMODATION #12		1	0.0051	7	.0305	5	16.5	250 ft.	"	"
WIRELESS #6		1	0.0206	7	.0612	13	41	180 ft.	"	"
SEARCHLIGHT										
MASTHEAD LIGHT #14		1	0.0032	7	.0242	5	11.5	140 ft.	"	"
SIDE LIGHTS #14		1	0.0032	7	.0242	5	11.5	50 ft.	"	"
COMPASS LIGHTS #14		1	0.0032	7	.0242	5	11.5	25 ft.	"	"
POOP LIGHTS #14		1	0.0032	7	.0242	5	11.5	50 ft.	"	"
CARGO LIGHTS #12		1	0.0051	7	.0305	7	16.5	50 ft.	"	"
ARC LAMPS										
HEATERS #12		1	0.0051	7	.0305	5	16.5	250 ft.	"	"

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.			
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—										
(a) MOTOR GENERATOR										
(b) MAIN MOTOR										
WORKSHOP MOTOR										
VENTILATING FANS										
D.G. Motors #0000	2	1	0.1659	19	.1055	115	418.0	60 ft.	Rubber	Strong Steel Conduits
D.G. Generators #0000	2	1	0.1659	19	.1055	333	418.0	100 ft.	"	"
Refrigerator #10	1	1	0.0082	7	.0385	24	28.0	80 ft.	"	"
Refrig. Circ. Pump #14	1	1	0.0032	7	.0242	10	11.5	150 ft.	"	"
Wireless converter #6	1	1	0.0206	7	.0612	46	52.0	175 ft.	"	"

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.

For St. John Dry Dock & Shipbuilding Co. Ltd.

Sub. Haseel
General Superintendent

Electrical Engineers.

Date *March 1st 1944*

COMPASSES.

Distance between electric generators or motors and standard compass 64 ft.

Distance between electric generators or motors and steering compass 56 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 2 Ampères 4 feet from standard compass 4 feet from steering compass.

A cable carrying 3 Ampères 8 feet from standard compass 6 feet from steering compass.

A cable carrying 3 Ampères 8 feet from standard compass 6 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

The maximum deviation due to electric currents was found to be 7 degrees on South east course in the case of the standard

compass, and 5 degrees on various course in the case of the steering compass.

For St. John Dry Dock & Shipbuilding Co. Ltd.

Sub. Haseel
General Superintendent

Builder's Signature.

Date *March 1st 1944*

Is this installation a duplicate of a previous case Yes If so, state name of vessel ROCKWOOD PARK; DARTMOUTH PARK

General Remarks (State quality of workmanship, opinions as to class, &c.)

The electrical equipment of this vessel has been fitted in accordance with the Society's Rules and Regulations; the materials and workmanship used throughout are of good and sound quality. The installation has been tested under full working conditions and found satisfactory.

Notes

Plus

6.4.44

Note for reference :-

(See "Rockwood Park")

Total Capacity of Generators 30 Kilowatts.

The amount of Fee ... \$95.00 : When applied for, Feb. 22 19 44
Travelling Expenses (if any) £ : When received, 19
(Included with engine report)

L. B. Theobald
Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 21 APR 1944

Assigned *see minute on S.E. Rpt*

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