

Insulation of Cables, state type of cables, single or twin SINS. 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

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 BRASS KLIPS.

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 METALIC JUNCTION BOXES.

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 — state the material of which the bushes are made IRY TUBES.

Earthing Connections, state what earthing connections are fitted and their respective sectional areas —

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 —

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 NONE

are any fittings placed in spaces where inflammable or explosive dust or gases are liable to be present, if so, how are they protected GAS TIGHT
LAMPS AND SWITCHES.
BERGMAN TUBES.

where are the controlling switches situated OUTSIDE OF SPACES.

Searchlight Lamps, No. of TWO, whether fixed or portable FIXED, 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 —, 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 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 —

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	WHEELS DRIVEN BY AN INTERMEDIATE ENGINE
		Kilowatts.	Volts.	Ampères.	Revs. per Min.		
MAIN	2	135-87	110	135-87	3400	Steam Cyl. Bore & TURBINE ENG.	Flash Point of Fuel
AUXILIARY	1	60	60	60	410	STEAM CYL. ENGINE	Flash Point of Fuel
EMERGENCY	—	—	—	—	—	—	—
ROTARY TRANSFORMER	—	—	—	—	—	—	—

One (What?) removed
replaced by
John Zell
5-36

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.				
ONE	MAIN GENERATOR	2	101	24	1.9	85.00		rubber	Armoured
TWO	AUXILIARY GENERATOR	2/2	35/50	19/19	1.8/2.6	50.00		rubber	Armoured
	EMERGENCY GENERATOR	—	—	—	—	—		—	—
	ROTARY TRANSFORMER	—	—	—	—	—		—	—
	AUXILIARY SWITCHBOARDS	—	—	—	—	—		—	—
1	ENGINE ROOM	2	10	4	1.35	8.65	60	rubber	Armoured
	BOILER ROOM	2	10	4	1.35	8.65	60	rubber	Armoured
2	I CLASS STAR SIDE	2	25	19	1.3	16.16	120	rubber	Armoured
3	I CLASS PORT SIDE	2	25	19	1.3	9.94	115	rubber	Tubes
4	I CLASS STAR SIDE	2	16	4	2.2	10.77	56	rubber	Tubes
5	I CLASS PORT SIDE	2	16	4	2.2	9.88	48	rubber	Tubes
6	OFFICIER & SAIL. FIR.	2	16	4	2.2	5.44	60	rubber	Tubes
7	DECK	2	16	4	2.2	7.25	103	rubber	Armoured
8	WIRELESS	2	10	4	1.25	—	200	rubber	Armoured
9/10	SEARCHLIGHT	2	25	19	1.3	20/30	212/220	rubber	Armoured
	MASTHEAD LIGHT	2	6	4	1.1	7.00	195/260	rubber	Armoured
11	SIDE LIGHTS	2	6	4	1.1	(0.2)	220	rubber	Armoured
	COMPASS LIGHTS	2	0.94	1	1.1	—	—	rubber	Leads
	POOP LIGHTS	2	6	4	1.1	—	250	rubber	Armoured
12/13	CARGO LIGHTS	2	6	4	1.1	5/5	220	rubber	Armoured
	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. YES.
 The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
 The foregoing is a correct description.

✓ YES ★ Electrical Engineers. Date ✓

COMPASSES.

Distance between electric generators or motors and standard compass 76 ^{YES.}
 Distance between electric generators or motors and steering compass 76 ^{BRASS LIPS.}
 The nearest cables to the compasses are as follows:—
 A cable carrying 5 Ampères 6 feet from standard compass 6 feet from steering compass. YES.
 A cable carrying 2 Ampères in the feet from standard compass in the feet from steering compass. YES.
 Have the compasses been adjusted with and without the electric installation at work at full power YES ^{REMARKS CONTAINED IN NOTES.}
 Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted NO
 The maximum deviation due to electric currents was found to be — degrees on — course in the case of the standard compass, and — degrees on — course in the case of the steering compass.

Builder's Signature. Date

Is this installation a duplicate of a previous case ✓ If so, state name of vessel —

General Remarks (State quality of workmanship, opinions as to class, &c. The quality of the workmanship is good, installation generally excellent and repairs as recommended, auxiliary main switch found renewed. Voltmeter ammeter reviewed, I class circuit now found main and auxiliary dynamos tested 35% overload as per rules with satisfactory results. YES. YES. YES.

It is submitted that this vessel is eligible for THE RECORD. Elec. light. GAS TIGHT
 LAMPS AND SWITCHES. NONE
 BERGIAN TUBES.
 OUTSIDE OF SPACES. YES.

TWO FIXED YES.
44 KW See alteration to Electric Equipment 5/36
 Total Capacity of Generators 28.2 Kilowatts

The amount of Fee Stk. by = 2600. When applied for, 6/7/25
 Travelling Expenses (if any) £ — When received, 25/7/25

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

Committee's Minute FRI. 24 JUL 1925

Assigned Elec Lt. YES.

FRI. 29 APR 1927

FRI. 21 AUG 1925
 FRI. 26 FEB 1926
 TUES. 23 MAR 1926



56,1243.—Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)