

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

Fall of Pressure, state maximum between bus bars and any point of the installation under maximum load *ca 5 volt.*

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 *No paper insulated cables 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 *The cables are supported by screwed clips as per Rule, where necessary protected by sheet iron casings. - Steel armoured cables used.*

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 .

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 cables.*

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 *No earthing connections.*

are their connections made as per Rule .

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.*

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

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 *In the fore hold:*

Gas-tight fittings protected with strong iron guards.

are any fittings placed in spaces where inflammable or explosive dust or gases are liable to be present, if so, how are they protected *In the cargo pump room:*

Gas-tight fittings protected by strong metal guards.

how are the cables led *The cables enclosed in gas-tight galvanized iron tubes.*

where are the controlling switches situated *Gas-tight switches used and situated on deck outside this space.*

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 *Not situated near unprotected wood work or other combustible material 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 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.*

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.	Ampères.	Revs. per Min.		Fuel Used.	Flash Point of Fuel.
MAIN	2	66	220	300	400	Auxiliary diesel oil engines	Crude oil	above 150° F.
AUXILIARY	1	15	110	136.5	425	a steam engine		
EMERGENCY								
ROTARY TRANSFORMER	1	15	220/110	136.5	1700	Electric motor		

LIGHTING AND HEATING CONDUCTORS.

Ref. No.	DESCRIPTION.	No. of Conductors.	Effective Area of each Conductor Sq. mm.	COMPOSITION OF STRAND.		Total Maximum Current Ampères.	Approximate Length. (Lead and Return.)	Insulated with	HOW PROTECTED.	
				No.	Diameter in mm.					
	MAIN GENERATOR	2	95	19	2.52	300	abt. 20	Vulcanized rubber or steel wire armoured	Lead covered, steel tape	
	EQUALISER CONNECTIONS	1	95	19	2.52		" 10	" "	and braided	do.
	AUXILIARY GENERATOR	2	95	19	2.52	136.5	" 53	" "	do.	do.
	EMERGENCY GENERATOR									
	ROTARY TRANSFORMER	2	95	19	2.52	136.5	" 26	" "	do.	do.
	AUXILIARY SWITCHBOARDS									
	ENGINE ROOM	2	4	7	0.85	14	" 2	" "	do.	do.
	BOILER ROOM									
	ACCOMMODATION									
	NAVIGATION ROOM.	2	4	7	0.85	5	" 190	" "	do.	do.
	SALOON DECK HOUSE.	2	16	7	1.70	30	" 165	" "	do.	do.
	DECK HOUSE AFT.	2	10	7	1.35	17	" 128	" "	do.	do.
	OFFICERS ACCOMMODATION AFT.	2	10	7	1.35	25	" 47	" "	do.	do.
	WIRELESS	2	10	7	1.35	14	" 195	" "	do.	do.
	SEARCHLIGHT									
	MASTHEAD LIGHT	2	1.5	1	1.38	1	" 95	" "	" "	" "
	SIDE LIGHTS	2	1.5	1	1.38	1	" 30	" "	" "	" "
	COMPASS LIGHTS	2	1.5	1	1.38	0.2	" 10	" "	" "	" "
	POOP LIGHTS	2	1.5	1	1.38	0.5	" 225	" "	" "	" "
	CARGO LIGHTS									
	ARC LAMPS									
	HEATERS									

MOTOR CONDUCTORS.

Ref. No.	DESCRIPTION.	No. of Motors.	Effective Area of each Conductor Sq. mm.	COMPOSITION OF STRAND.		Total Maximum Current Ampères.	Approximate Length. (Lead and Return.)	Insulated with	HOW PROTECTED.	
				No.	Diameter in mm.					
	BALLAST PUMP	1	25	7	2.14	56	abt. 35	Vulcanized rubber or steel wire armoured	Lead covered, steel tape	
	MAIN BILGE LINE PUMPS									
	GENERAL SERVICE PUMP									
	EMERGENCY BILGE PUMP									
	SANITARY PUMPS	1	10	7	1.35	36	" 33	" "	" "	" "
	CIRC. SEA WATER PUMPS									
	CIRC. FRESH WATER PUMPS									
	AIR COMPRESSOR									
	FRESH WATER PUMP	1	2.5	7	0.67	13	" 10	" "	" "	" "
	ENGINE TURNING GEAR	2	6	7	1.05	20	" 10	" "	" "	" "
	ENGINE REVERSING GEAR									
	COOLING WATER AND LUBRICATING OIL PUMPS	2	70	19	2.16	130	" 70	" "	" "	" "
	OIL FUEL TRANSFER PUMP	1	6	7	1.05	20	" 15	" "	" "	" "
	WINDLASS									
	WINCHES, FORWARD									
	WINCHES, AFT									
	STEERING GEAR									
	(a) MOTOR GENERATOR									
	(b) MAIN MOTOR	1	50	19	1.83	80	" 100	" "	" "	" "
	WORKSHOP MOTORS	1	2.5	7	1.05	20	" 12	" "	" "	" "
	VENTILATING FANS									
	LUBRICATING OIL PURIFIER	1	2.5	7	0.67	12	" 10	" "	" "	" "
	FUEL " "	1	2.5	7	0.67	12	" 18	" "	" "	" "
	CO ₂ COMPRESSOR	1	10	7	1.35	30	" 20	" "	" "	" "
	BRINE PUMP	1	2.5	7	0.67	6	" 20	" "	" "	" "
	MOTOR IN GALLEY	1	1.5	1	1.38	1.6	" 12	" "	" "	" "
	SOUNDING MACHINE	1	2.5	7	0.67	12	" 18	" "	" "	" "

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.

AKTIESELSKABET

Electrical Engineers.

Date

The Manager

COMPASSES.

Distance between electric generators or motors and standard compass abt. 80 metres

Distance between electric generators or motors and steering compass " 80 "

The nearest cables to the compasses are as follows:—

A cable carrying abt 5 Ampères 8 feet from standard compass 8 feet from steering compass.

A cable carrying 0.2 Ampères to lamp in box from standard compass and in the feet from steering compass.

A cable carrying ✓ Ampères ✓ 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 all course in the case of the standard

compass, and 0 degrees on all course in the case of the steering compass.

AKTIESELSKABET

Builder's Signature.

Date

The Manager

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 whole electric lighting and power installation as above described has been fitted in accordance with the requirements in the Rules, the approved plan and the Secretary's letter E. dated the 22nd April 1927.

The material used in the installation and the workmanship throughout are of good description in every respect. —

The whole electric lighting and power installation has been tested under full power working condition and found satisfactory.

Recommend the vessel to have notation in the Register Book of "Electric light."

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

J.W.D.
20/9/27

Total Capacity of Generators 147 Kilowatts.

The amount of Fee ... Gr 614.88 : 19.9 1927

Travelling Expenses (if any) £ : : 20.19 1927

A.E. Jensen, S. Clausen
Lloyd's Register of Shipping.

Committee's Minute TUES. 27 SEP 1927

Assigned Elec light

Im. 120.—7 transfer. (The Secretary's etc. requested not to be on or below the space for Committee's Minute.)



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