

Cables: Single, twin, concentric, or multicore single 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 4 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 In cabins lead covered In all other places lead covered and armoured These cables on deck laid in iron tubes. In engine room secured by metal clips.
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, 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

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 or hardwood.

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 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 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 one, whether fixed or portable portable, are their fittings as per Rule yes

Arc Lamps, other than searchlight lamps, No. of one, 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 no, 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 no and no

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	200	220	910	250	Diesel engine		
AUXILIARY	1	50	220	227	250	" "		
EMERGENCY								
ROTARY TRANSFORMER								

LIGHTING AND HEATING CONDUCTORS.

Ref. No.	DESCRIPTION.	No. of Conductors.	Effective Area of each Conductor Sq. Ins. ^{sq. ins.}	COMPOSITION OF STRAND.		Total Maximum Current Ampères.	Approximate Length. (Lead and Return) Feet. ^{feet.}	Insulated with	HOW PROTECTED.
				No.	Diameter.				
	MAIN GENERATOR	4	185	37	2.53	910	26	Rubber	Lead covered and armoured
	EQUALISER CONNECTIONS	1	185	37	2.53	227	28	"	"
	AUXILIARY GENERATOR								
	EMERGENCY GENERATOR								
	ROTARY TRANSFORMER								
	AUXILIARY SWITCHBOARDS								
	ENGINE ROOM	1	16	7	1.71	12	30	"	"
	BOILER ROOM								
	ACCOMMODATION								
	Midship	1	25	7	2.13	60	40	"	"
	Towship	1	16	7	1.71	30	130	"	"
	Aftship	1	16	7	1.71	35	100	"	"
	Navigation	1	10	7	1.35	2	80	"	"
	WIRELESS	1	6	7	1.05	20	80	"	"
	SEARCHLIGHT	1	16	7	1.71	50	50	"	"
	MASTEAD LIGHT	1	1 1/2	1	1.39	1/5	100	"	"
	SIDE LIGHTS	1	1 1/2	1	1.39	1/5	25	"	"
	COMPASS LIGHTS	1	1 1/2	1	1.39	1/5	10	"	"
	POOP LIGHTS	1	1 1/2	1	1.39	1/5	15	"	"
	CARGO LIGHTS	1	2 1/2	1	1.79	2 1/3	40	"	"
	ARC LAMPS	1	2 1/2	1	1.79	10	10	"	"
	HEATERS	1	10	7	1.35	18	100	"	"

MOTOR CONDUCTORS.

Ref. No.	DESCRIPTION.	No. of Motors.	Effective Area of each Conductor Sq. Ins. ^{sq. ins.}	COMPOSITION OF STRAND.		Total Maximum Current Ampères.	Approximate Length. (Lead and Return) Feet. ^{feet.}	Insulated with	HOW PROTECTED.
				No.	Diameter.				
	BALLAST PUMP	1	70	19	2.17	118	60	Rubber	Lead covered and armoured.
	MAIN BILGE LINE PUMPS								
	GENERAL SERVICE PUMP								
	EMERGENCY BILGE PUMP								
	SANITARY PUMP	1	25	7	2.13	52	40	"	"
	CIRC. SEA WATER PUMPS	1	2x95	19	2.53	250	60	"	"
	CIRC. FRESH WATER PUMPS	2 each	185	37	2.53	210	55	"	"
	AIR COMPRESSOR	2	3x185	37	2.53	470	30	"	"
	FRESH WATER PUMP	2	1 1/2	1	1.39	6.6	48	"	"
	ENGINE TURNING GEAR	1	70	19	2.17	116	20	"	"
	ENGINE REVERSING GEAR								
	LUBRICATING OIL PUMPS	2 each	185	37	2.53	165	50	"	"
	OIL FUEL TRANSFER PUMP								
	WINDLASS	1	2x95	19	2.53	227	40	"	"
	WINCHES, FORWARD	5 each	70	19	2.17	130	20	"	"
	WINCHES, AFT	6	70	19	2.17	130	20	"	"
	STEERING GEAR	1	50	19	1.83	78	120	"	"
	(a) MOTOR GENERATOR	X							
	(b) MAIN MOTOR								
	WORKSHOP MOTOR	1	4	7	0.86	11	65	"	"
	VENTILATING FANS	10	1 1/2	1	1.39	3	50	"	"
	circ. pump Refrigerator	1	2 1/2	1	1.79	14.6	18	"	"
	fuel oil separator	2 each	2 1/2	1	1.79	8	15	"	"
	winches amidship	2 each	50	19	1.83	101	46	"	"
	cranes	2 each	95	19	2.53	156	36	"	"
	hauling winch	1	50	19	1.83	101	48	"	"

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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.

N. V. Van Diephout & Co.
Electrical Engineers
N. V. Van Diephout

Electrical Engineers.

Date 29th October 1927

COMPASSES.

Distance between electric generators or motors and standard compass 29 ft.

Distance between electric generators or motors and steering compass 29 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 60 Ampères 50 feet from standard compass 45 feet from steering compass.

A cable carrying 10 Ampères 30 feet from standard compass 36 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 every course in the case of the standard compass, and 0 degrees on every course in the case of the steering compass.

Maatschappij voor Scheeps- en Werktuigbouw
"FIJENOORD"

Builder's Signature.

Date 3-4-27

H. J. G. A. A. A.

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 fitted in accordance with the Society's Rules, material and workmanship good and the whole having been found in a good working condition when tried, I am of opinion that she merits the Committee's approval

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

J. W. D. 9/11/27

Total Capacity of Generators 450 Kilowatts.

The amount of Fee ... £ 513.00

When applied for, Who 19. 27

Travelling Expenses (if any) £

When received, 19. 11. 27

J. J. Ochoa
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

NOV 11 1927
TUES. 15 NOV 1927

Assigned

Ele light

1m, 127.—Transfer.
(The Surceptors are requested not to write on or below the space for Committee's Minute.)



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