

Cables: Single, twin, concentric, or multicore *single & twin* 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

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 of the exposed ends of the conductor protected from moisture by being suitably sealed with insulating compound *none*

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 *armoured or lead covered cables supported by clips*

If cables are run in wood casings, are the casings and caps secured by screws *none*, 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, 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 *WT 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 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 hard wood*

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

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 *Five 16kw generator placed in the Main Deck E.R. space, driven by a hot bulb motor connected to the light S.B. with a double-brow double pole link switch with fuses*

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 *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 *no*

how are the cables led

where are the controlling switches situated

Searchlight Lamps, No. of *1*, whether fixed or portable *fixed*, are their fittings as per Rule *yes*

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

totally enclosed 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 —

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	WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE.	
		Kilowatts.	Volts.	Ampères.	Revs. per Min.		Fuel Used.	Flash Point of Fuel.
MAIN	3	80	230	365	275	Hot Diesel	Kerosene Oil	
AUXILIARY								
EMERGENCY	1	16	230	74	425	Hot Diesel	Kerosene Oil	
ROTARY TRANSFORMER								

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.				
8	MAIN GENERATOR...	1	0.6	91	0.093	365	160	rubber	Armoured
	EQUALISER CONNECTIONS	1	0.3	37	0.103			"	"
	AUXILIARY GENERATOR								
26	EMERGENCY GENERATOR	1	0.061	19	0.064	74	120	"	"
	ROTARY TRANSFORMER...								
21	Light AUXILIARY SWITCHBOARDS	1	0.061	19	0.064	74		"	"
20	ENGINE ROOM	1	0.007	7	0.036	11		"	"
	BOILER ROOM								
24(20)	ACCOMMODATION	1	0.007	7	0.036	10	120	"	Arm. & lead cover
25	"	1	0.007	7	0.036	11	120	"	"
23	Saloon	1	0.007	7	0.036	8	120	"	"
27	Decks	1	0.007	7	0.036	11	120	"	"
28	"	1	0.007	7	0.036	13	120	"	"
29	Navigation	1	0.002	3	0.029	2	180	"	"
31	Boat Deck	1	0.002	3	0.029	4	170	"	"
22	Life boat Lights	1	0.002	3	0.029	2	170	"	Armoured
30(21)	WIRELESS	1	0.007	7	0.036	11	180	"	"
18	SEARCHLIGHT	1	0.035	19	0.05	50	250	"	"
29	MASTHEAD LIGHT	1	0.002	3	0.029	0.5	300	"	"
29	SIDE LIGHTS	1	0.002	3	0.029	0.25	170	"	Arm. & lead cover
29	COMPASS LIGHTS	1	0.001	1	0.026	0.12	170	"	"
29	POOP LIGHTS	1	0.002	3	0.029	0.12	200	"	Armoured
19	CARGO LIGHTS	1	0.007	7	0.036	6	150	"	"
	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.				
9-2	BALLAST PUMP	1	0.10	19	0.083	103	85	rubber	Armoured
10-2	MAIN BILGE LINE PUMPS	1	0.10	19	0.083	103	80	"	"
16, 17-3	Refrig. Brine Circulating Service PUMPS	2	0.004	7	0.029	18	90	"	"
15-3	Refrig. Fan Motor	1	0.003	1	0.064	10	90	"	"
21-1	SANITARY PUMP	1	0.007	7	0.036	24	85	"	"
11-3	CIRC. SEA WATER PUMPS	1	0.10	19	0.083	103	80	"	"
14-3	CIRC. FRESH WATER PUMPS	1	0.004	7	0.029	18	90	"	"
7	AIR COMPRESSOR	1	0.60	91	0.093	376	90	"	"
18, 19-1	FRESH WATER PUMP	2	0.007	7	0.036	24	30	"	"
20-1	ENGINE RUNNING GEAR	1	0.002	3	0.029	6	40	"	"
	ENGINE REVERSING GEAR								
12-2	LUBRICATING OIL PUMPS	1	0.06	19	0.064	71	70	"	"
12-2	OIL FUEL TRANSFER PUMP	1	0.007	7	0.036	24	75	"	"
12	WINDLASS	1	0.22	37	0.083	184	300	"	"
+ 11	WINCHES, <i>to the S.B.</i>	4	0.30	37	0.103	388	200	"	"
	WINCHES, AFT								
	STEERING GEAR								
	(a) MOTOR GENERATOR...								
13	(b) MAIN MOTOR	1	0.06	19	0.064	79	300	"	"
14	WORKSHOP MOTOR	3	0.007	7	0.036	12	50	"	"
17	VENTILATING FANS	5	0.035	19	0.05	57	150	"	"
16	Galley	3	0.0145	7	0.052	36	100	"	"
15	Laundry	3	0.0145	7	0.052	36	200	"	"
4 & 5	Hydraulic Crane Pump	2	0.40	61	0.093	283	60	"	"
22 & 23-11	From S.B. to Winches	2	0.10	19	0.083	98		"	"
24-11	"	1	0.06	19	0.064	79		"	"
25-11	"	1	0.04	19	0.052	63		"	"
6	Refrig. Motor	1	0.150	37	0.072	152	90	"	"
+ 1/2	hour rating								

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.

Cantiere Navale Triestino

A. P. P. P.

Electrical Engineers.

Date

COMPASSES.

Distance between electric generators or motors and standard compass 120 feet

Distance between electric generators or motors and steering compass 110 feet

The nearest cables to the compasses are as follows:—

A cable carrying 2 Ampères 10 feet from standard compass 8 feet from steering compass.

A cable carrying 0.12 Ampères in the feet from standard compass 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 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.

Cantiere Navale Triestino

A. P. P. P.

Builder's Signature.

Date

Is this installation a duplicate of a previous case yes If so, state name of vessel Ararangua

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

This installation has been made in accordance with the Rules. The material and workmanship are good. The whole installation and generators have been tested under full working condition and found satisfactory.

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

W.D.
1/11/27
J.P.

Total Capacity of Generators 256 Kilowatts.

The amount of Fee ... Five 37.52 : When applied for, 29/10 1927

Travelling Expenses (if any) £ : When received, 19.11 1927

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

Committee's Minute

FRI. 4 NOV 1927

Assigned

Elec. Lt.

Im. 1.27.—Transfer. (The Surveys are requested not to write on or below the space for Committee's Minute.)



© 2019

Lloyd's Register Foundation