

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 power 1.82%, lighting 2.9% to extreme outlet

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 cable 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 Braided wire run in conduit, lead covered steel basket weave cable, screwed metal straps, conduit protection where subject to mechanical injury.

If cables are run in wood casings, are the casings and caps secured by screws no wood casing, 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 none on lighting & power feeder 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 none

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 none

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 lights in

pump rooms - gas tight construction, how are the cables led

through conduits

where are the controlling switches situated in an enclosed case outside of each pump room

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 none, 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 yes, 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.	Amps.	Revs. per Min.		Fuel Used.	Flash Point of Fuel.
MAIN	2	75	120 D.C.	625	1800	Steam Turbine		
AUXILIARY	1	20	120 D.C.	167	450	" Engine		
EMERGENCY								
ROTARY TRANSFORMER								

GENERATOR, LIGHTING AND HEATING CONDUCTORS.

DESCRIPTION.	CONDUCTORS.		COMPOSITION OF STRAND.		TOTAL MAXIMUM CURRENT.		Approximate Length. (Lead and Return) Feet.	Insulated with	HOW PROTECTED.
	No. per Pole.	Total Effective Area per Pole Sq. Ins.	No.	Diameter.	In Circuit.	Rule.			
MAIN GENERATOR	2	.86500	2	.61	625	790 ABS	80	rubber	lead & armored
EQUALISER CONNECTIONS	1	.58900		.61	100	485 "	40	"	" "
AUXILIARY GENERATOR	1	.19690		.37	167	233 " 14	90	"	" "
EMERGENCY GENERATOR									
ROTARY TRANSFORMER MOTOR GENERATOR	none								
ENGINE ROOM	1	.02060		.07	26	44 "	160	"	" "
BOILER ROOM	1	.01300		.07	20	33 "	80	"	" "
AUXILIARY SWITCHBOARDS	none								
ACCOMMODATION									
Forecastle Quarters	1	.08290		.19	36	132 "	900	"	" "
Amidship	1	.16590		.19	92	209 "	540	"	" "
Upper Dk. Aft	1	.05210		.07	54	96 "	150	"	" "
Poop Deck	1	.02610		.07	24	52 "	200	"	" "
WIRELESS	1	.02060		.07	15	44 "	560	"	" "
SEARCHLIGHT	1	.02060		.07	9	44 "	720	"	" "
MASTHEAD LIGHT	1	.00320		.07	1	13 "	450	"	" "
SIDE LIGHTS	1	.00320		.07	1	13 "	60	"	" "
COMPASS LIGHTS	1	.00320		.07	.5	13 "	30	"	" "
Nav. Post LIGHTS	1	.05210		.07	16	96 "	700	"	" "
CARGO LIGHTS	1	.00320		.07	9	13 "	120	"	" "
ARC LAMPS	none								
HEATERS	"								

MOTOR CONDUCTORS.

DESCRIPTION.	No. of Motors.	CONDUCTORS.		COMPOSITION OF STRAND.		TOTAL MAXIMUM CURRENT.		Approximate Length. (Lead and Return) Feet.	Insulated with	HOW PROTECTED.
		No. Per Pole.	Total Effective Area per Pole Sq. Ins.	No.	Diameter.	In Circuit.	Rule.			
BALLAST PUMP	none									
MAIN BILGE LINE PUMPS	1	1	.08290	19	.075	74	132 ABS	150	rubber	lead armored
GENERAL SERVICE PUMP	none									
EMERGENCY BILGE PUMP	none									
SANITARY PUMP	1	1	.04140	7	.087	58	70 "	80	"	" "
CIRC. SEA WATER PUMPS	none									
Drinking CIRC. FRESH WATER PUMPS	1	1	.02610	7	.069	40	52 "	160	"	" "
AIR COMPRESSOR										
FRESH WATER PUMP	1	1	.02610	7	.069	40	52 "	120	"	" "
ENGINE TURNING GEAR	1	1	.06580	19	.066	74	112 "	120	"	" "
ENGINE REVERSING GEAR	none									
LUBRICATING OIL PUMPS (ea.)	1	1	.08290	19	.075	74	132 "	100	"	" "
OIL FUEL TRANSFER PUMP	none									
WINDLASS										
WINCHES, FORWARD										
lub. oil purifier	1	1	.08290	19	.075	95	132 "	120	"	" "
WINCHES, AFT	none									
Evaporator feed pump	1	1	.00510	7	.030	8	18 "	120	"	" "
STEERING GEAR—										
(a) MOTOR GENERATOR	none									
(b) MAIN MOTOR	1	1	.19690	37	.082	145	233 " 14	300	"	" "
WORKSHOP MOTOR tanks	4	1	.08290	19	.075	97	18 "	100	"	" "
VENTILATING FANS	none									
Forced Draft Blower #1	1	1	.04140	7	.087	58	70 "	150	"	" "
" " " #2	1	1	.04140	7	.087	58	70 "	70	"	" "
" " " #3	1	1	.04140	7	.087	58	70 "	130	"	" "
Ice machine motor	1	1	.02610	7	.069	40	52 "	100	"	" "
Condensate pump #1	1	1	.08290	19	.075	74	132 "	150	"	" "
" " #2	1	1	.08290	19	.075	74	132 "	150	"	" "

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.

A. Campbell

Electrical Engineers.

Date

COMPASSES.

Distance between electric generators or motors and standard compass 280 ft.

Distance between electric generators or motors and steering compass 280 ft.

The nearest cables to the compasses are as follows:—

A cable carrying .5 Ampères 2 feet from standard compass 2 feet from steering compass.

A cable carrying .5 Ampères 4 feet from standard compass 5 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 degrees on course in the case of the standard compass, and degrees on course in the case of the steering compass.

A. Campbell

Builder's Signature.

Date

Is this installation a duplicate of a previous case

Yes

If so, state name of vessel

SOCONY VACUUM.

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

This installation has been satisfactorily installed on board the vessel, and in accordance with the approved plans, the workmanship & materials are good. The installation has been tested out under full load & found satisfactory.

*W. L. D.
15/7/35*

Total Capacity of Generators

170

Kilowatts.

The amount of Fee

\$ 198.25

When applied for,

*21st June 35
per bill.*

Travelling Expenses (if any)

When received,

*22.719.35
22/7*

W. L. D.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

NEW YORK JUL 3 - 1935

W. L. D.

Assigned

Transmit to London

1m, 9, 30. — Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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