





Alternative Lighting, are the groups of lights in the engine and boiler rooms arranged as per Rule Yes. Emergency Supply, state position

Navigation Lamps, are they separately wired Yes, controlled by separate double pole switches and fuses Yes. Are the switches and fuses in a position accessible only to the officers on watch Yes, is an automatic indicator fitted Yes. Is an alternative supply provided Yes.

Secondary Batteries, are they constructed, fitted and adequately ventilated as per Rule —, state battery capacity in ampere hours —. Where required to do so does it comply with 1948 International Convention —.

Lighting, is fluorescent lighting fitted —. If so, state nominal lamp voltage — and compartments where lamps are fitted —.

Fittings, are all fittings on weather decks, in stokeholds and engine rooms and wherever exposed to drip or condensed moisture, weatherproof Yes.

Searchlights, No. of —, whether fixed or portable —, are they of the carbon arc or of the filament type —.

Heating and Cooking, is the general construction as per Rule Yes, are the frames effectually earthed Yes, are heaters in the accommodation of the convection type —. Motors, are all motors constructed and installed as per Rule and placed in well-ventilated compartments in which inflammable gases cannot accumulate and protected from damage from water, steam and oil Yes.

Are motors coupled to oil fuel transfer and pressure pumps capable of being stopped from a position accessible in the event of fire in the pump compartment —. Have motors of 100 BHP and over been inspected by the Surveyors during manufacture and testing —.

Have certificates of test for motors under 100 BHP intended for essential sea services been supplied and the results found as per Rule Yes.

Lightning Conductors, where required are they fitted as per Rule —.

Ships carrying Oil having a Flash Point of less than 150° F. Have all the special requirements of the Rules for such ships been complied with Yes, are all fuses of an Approved Cartridge Type Yes, make of fuse Simms 'Z'. Are the fittings for pump rooms, 'tween deck spaces, etc., in accordance with the special requirements for such ships Yes. Are all cables lead covered as per Rule Yes.

E.S.D., if fitted state maker Hughes, M.S. 21, location of transmitter and receiver Trans. 43/44.

Spare Gear, if the vessel is for open sea service have spares been provided as per Rule and suitably stored in dry situations Yes.

Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory Yes.

#### PARTICULARS OF GENERATING PLANT.

DESCRIPTION OF GENERATOR.	No. of	MAKER.	RATED AT				PRIME MOVER.	
			Kw. per Generator.	Volts.	Amps.	Revs. per Min.	TYPE.	MAKER.
MAIN	2	Sundland Eng. Co.	50	110	454	500	Steam	Pilin Brotherhood No. 11780 E & F.
	1	Sundland Eng. Co.	15	110	136.5	1000	Diesel	Ruston Hornsby.
EMERGENCY ROTARY TRANSFORMER								

#### GENERATOR CABLES.

DESCRIPTION.	No. of	Kw.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (feet plus return feet).	INSULATION.	PROTECTIVE COVERING.
			No. in Parallel per Pole.	Sectional Area of Strands, Sq. ins. or sq. mm.	In the Circuit.	Rule.			
MAIN GENERATOR	1	50	2	37/042	454	520	50	V.I.R.	L.B. & B.
"	1	50	2	37/042	227	260	25	V.I.R.	L.B. & B.
"	1	50	2	37/042	454	520	50	V.I.R.	L.B. & B.
"	1	15	1	37/042	227	260	25	V.I.R.	L.B. & B.
"	1	15	1	19/064	136.5	143	80	V.I.R.	L.B. & B.
EMERGENCY GENERATOR									
ROTARY TRANSFORMER: MOTOR									
"									

#### MAIN DISTRIBUTION CABLES (to Auxiliary Switchboards, etc.).

DESCRIPTION.	No. of	Kw.	CONDUCTORS.	MAXIMUM CURRENT IN AMPERES.	APPROX. LENGTH (feet plus return feet).	INSULATION.	PROTECTIVE COVERING.
Main switchboard to Midships switchboard	1	0.15	2	62	330	500	Pyrotmax.
Main switchboard to Midships switchboard.	1	0.15	2	252	330	500	Pyrotmax.
Midships switchboard to Wharehouse S.B. 'A'	1	4/064	30	80	100	100	V.I.R. L.B. & B.
S.B. 'A' to Wharehouse.	1	4/036	10	24	50	50	V.I.R. L.B. & B.
S.B. 'A' to Bridge	1	4/036	10	24	30	30	V.I.R. L.B. & B.
S.B. 'A' to Dining Bridge Lighting	1	4/036	10	24	30	30	V.I.R. L.B. & B.
S.B. 'A' to Navigation C.O. Switch	1	4/036	2	24	150	150	V.I.R. L.B. & B.
Midships switchboard to Navigation C.O. Switch	1	4/036	2	24	150	150	V.I.R. L.B. & B.
Navigation C.O. Switch to Navigation Indicator	1	4/036	2	24	150	150	V.I.R. L.B. & B.
Midships switchboard to Seng D. P. Switch	1	4/064	40	80	150	150	V.I.R. L.B. & B.
Seng D. P. Switch to Seng Canal Projector	1	0.0225	40	110	420	420	Pyrotmax.
Midships switchboard to Gyro Compass	1	4/044	10	45	150	150	V.I.R. L.B. & B.
Midships switchboard to Wharehouse	1	4/064	30	80	120	120	V.I.R. L.B. & B.
Midships switchboard to Offshore Room S.B. 'AH'	1	4/036	21	24	90	90	V.I.R. L.B. & B.

#### DISTRIBUTION CABLES (to Section-Boards and Distribution-Fuse-Boards, etc.).

DESCRIPTION.	No. in Parallel per Pole.	Sectional Area or No. and Dia. of Strands, Sq. ins. or sq. mm.	MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (feet plus return feet).	INSULATION.	PROTECTIVE COVERING.
			In the Circuit.	Rule.			
Midships switchboard to Radar.	1	4/064	10	80	90	V.I.R.	L.B. & B.
Midships switchboard to Engine Room S.B. 'B1'	1	4/036	19	24	60	V.I.R.	L.B. & B.
Midships switchboard to Engine Room S.B. 'B2'	1	4/036	19	24	5	V.I.R.	L.B. & B.
Midships switchboard to Anticath. Pump R. 'B3'	1	4/044	16	31	150	V.I.R.	L.B. & B.
Midships switchboard to Doncastle Light S.B. 'C'	1	4/044	7	31	150/420	V.I.R.	L.B. & B.
Midships switchboard to Pantry Room S.B. 'F'	1	4/036	51	60	60	V.I.R.	L.B. & B.
S.B. 'F' to Pantry S.B. 'G' (2)	1	4/036	15	24	30	V.I.R.	L.B. & B.
S.B. 'F' to Doncastle Refrig	1	4/036	5	24	30	V.I.R.	L.B. & B.
Midships switchboard to Engine Room S.B. 'E'	1	4/036	15	24	5	V.I.R.	L.B. & B.
Main switchboard to Engine Room S.B. 'K'	1	0.01	36	70	150	Pyrotmax.	
Main switchboard to Engine Room S.B. 'G'	1	0.01	54	70	60	Pyrotmax.	
Main switchboard to Port Pass. S.B. 'D'	1	0.0145	52	90	120	Pyrotmax.	
S.B. 'D' to Port Passage Upper Deck S.B. 'P1'	1	4/044	15	31	20	V.I.R.	L.B. & B.
S.B. 'D' to Port Passage Prop Deck S.B. 'P2'	1	4/036	21	24	60	V.I.R.	L.B. & B.
S.B. 'D' to Port Passage Upper Deck S.B. 'P3'	1	4/044	16	31	5	V.I.R.	L.B. & B.
Main switchboard to Starboard Pass. S.B. 'Q'	1	0.01	48	70	120	Pyrotmax.	
S.B. 'Q' to Starboard Pass. Prop Deck S.B. 'Q1'	1	4/044	23	31	15	V.I.R.	L.B. & B.
S.B. 'Q' to Starboard Pass. Upper Deck S.B. 'Q2'	1	4/036	15	24	5	V.I.R.	L.B. & B.
S.B. 'Q' to Steering Gear Comp. S.B. 'Q3'	1	4/036	10	24	150	V.I.R.	L.B. & B.
Main switchboard to Refrig. Machinery S.B. 'L'	1	0.0225	35	110	260	Pyrotmax.	
Main switchboard to Workshop S.B. 'J'	1	0.0225	78	110	100	Pyrotmax.	
Main switchboard to Eng. Room S.B. 'N'	1	0.0145	55	90	100	Pyrotmax.	
Main switchboard to Engine Room S.B. 'M'	1	0.01	40	70	120	Pyrotmax.	
Main switchboard to Engine Room S.B. 'H'	1	0.01	46	70	120	Pyrotmax.	

#### ALL IMPORTANT MOTORS TO BE ENUMERATED.

DESCRIPTION.	No.	B.H.P.	MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (feet plus return feet).	INSULATION.	PROTECTIVE COVERING.	
			In the Circuit.	Rule.				
Oil Purifiers.	3	7.5	1	0.01	61	70	120	Pyrotmax.
First Valve Cooling Pumps.	2	2.5	1	0.007	23	55	60	Pyrotmax.
Turning Gear Motor	1	18	1	0.04	144	150	150	Pyrotmax.
Sea Water Pump.	1	1.5	1	0.007	15	55	20	Pyrotmax.
Fresh Water Pump.	1	1.5	1	0.007	15	55	20	Pyrotmax.
Refrig. Sea Water Pump.	1	1.0	1	0.0045	10	20	20	Pyrotmax.
Oil Fuel Pump.	1	1.5	1	0.007	15	55	120	Pyrotmax.
Laths	1	3.0	1	0.007	26	55	30	Pyrotmax.
Grinders	1	3.0	1	0.007	26	55	30	Pyrotmax.
Crane.	1	3.0	1	0.007	26	55	60	Pyrotmax.
Refrig. Compressor.	1	4.0	1	0.01	35	70	20	Pyrotmax.
Falling Blowers.	2	1/3	1	4/029	2	15	70	V.I.R. L.B. & B.
Falling Fan	1	1/3	1	4/029	2	15	24	V.I.R. L.B. & B.
Boiler Room Vent Fan.	1	2.0	1	0.007	18	55	150	Pyrotmax.
Engine Room Vent fans.	2	2.0	1	0.007	18	55	120	Pyrotmax.
Engine Room Vent fans.	2	2.0	1	4/036	18	24	50	V.I.R. L.B. & B.
Air Heat Unit	1	6.85	1	0.0145	58	90	180	Pyrotmax.
Air Heat Unit.	1	6.85	1	4/064	56	80	60	V.I.R. L.B. & B.
Pantry Fan.	1	1.2	1	4/036	2	24	30	V.I.R. L.B. & B.

NOTE.—Use Rpt. 13 Continuation Sheet if the above space is insufficient.



The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.

All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.

The foregoing is a correct description.

CAMPBELL & ISHERWOOD, LTD.

PER

*H. M. Mace*

Electrical Contractors.

Date *22-9-52*

#### COMPASSES.

Have the compasses been adjusted under working conditions

*YES.*

For SHIP'S DOCK COMPANY LTD.

*B. E. Bunker*

Builder's Signature.

Date *19-9-52.*

Shipyard Manager

Have the foregoing descriptions and schedules been verified and found correct

*Yes.*

Is this installation a duplicate of a previous case

*No.*

If so, state name of vessel

Plans. Are approved plans forwarded herewith

*Yes.*

If not, state date of approval

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith

*Yes.*

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

*The electrical equipment on this vessel has been installed under special survey and the arrangements are in accordance with or equivalent to those shown on the approved plans and the Rules for Electrical Equipment.*

*The materials used are of good quality and the workmanship is good.*

*On completion, the equipment was operated under working conditions, the various protective devices were adjusted and operated, and the insulation resistance of all circuits measured and found good.*

*This installation is in my opinion suitable for a classed vessel intended for the carriage of petroleum in bulk.*

*Noted 10/11/52*

Total Capacity of Generators *115* Kilowatts.

The amount of Fee ...

£ *59 : 5*

When applied for,

*21.10.1952.*

When received,

*19*

Travelling Expenses (if any) £

*Ph. Mills.*  
Surveyor to Lloyd's Register of Shipping.

TUES. 30 DEC 1952

Committee's Minute

Assigned

*Sir F. E. Moly. rpt.*