

Alternative Lighting, are the groups of lights in the engine and boiler rooms arranged as per Rule. Yes. Emergency Supply, state position Emergency generator & switchboard, situated at after end engine room stard. side 32' 6" port
A.I.E.E. standards
 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 and fitted as per Rule. Yes. are they adequately ventilated. Yes. state battery capacity in ampere hours. —
 Fittings, are all fittings on weather decks, in stokeholds and engine rooms and wherever exposed to drip or condensed moisture, weatherproof. Yes.
 Are any fittings installed where readily combustible materials or inflammable or explosive dust or gases are likely to be present. No
 if so, how are they protected pump room lighted by fitting located & wired in engine room
 and where are the controlling switches fitted. outside pump room. Are all fittings suitably ventilated. Yes
 Searchlight Lamps, No. of one, whether fixed or portable. fixed, are they of the carbon arc or of the filament type. filament
A.I.E.E. standards
 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. A.I.E.E. standards
 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. Yes. Have motors of 100 BHP and over been inspected by the Surveyors during manufacture and testing. A.I.E.E. standards
 Have certificates of test for motors under 100 BHP intended for essential sea services been supplied and the results found as per Rule. A.I.E.E. standards
 Control Gear and Resistances, are they constructed and fitted as per Rule. Yes. Lightning Conductors, where required are they fitted as per Rule. —. Ships carrying Oil having a Flash Point 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. standard N.E.C.. Are the fittings for pump rooms, 'tween deck spaces, etc., in accordance with the special requirements for such ships. Yes. Are the cables lead covered as per Rule. Yes.
 E.S.D., if fitted state maker Bludworth location of transmitter at frame 49 1/2 stard and receiver. frame 49 1/2 port.
 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.	
			Kilowatts per Generator.	Volts.	Ampères.	Revs. per Min.	TYPE.	MAKER.
MAIN ...	2		400	450	641	1200	Turbine	Westinghouse.
EMERGENCY ...	1		75	450	120	1200	Diesel	Cummins
ROTARY TRANSFORMER								Diesel.

GENERATOR CABLES.

DESCRIPTION.	KILOWATTS.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.	APPROX. LENGTH (lead plus return feet).	INSULATION.	PROTECTIVE COVERING.
		No. in Parallel per Pole.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.				
MAIN GENERATOR ...	400	3	.7068	641	837	66	V.C. Lead & basket weave armoured.
" " EQUALISER ...							
EMERGENCY GENERATOR ...	75.0	1	.1045	120	158	50	
ROTARY TRANSFORMER: MOTOR ...	7.5	1	.0051	10.5	22	70	Do.
" " GENERATOR...	5.0	1	.0206	41.0	55.5	66	

MAIN DISTRIBUTION CABLES (to Section Boards, Distribution Fuse Boards, etc.).

DESCRIPTION.							
Main switchboard to fwd switchboard	1	.1045	57.6	158	850		
" " " Emergency " P.O.I.	1	.1045	31.6	158	40		
Emergency " " forward " E.P.O.I.	1	.0206	12.9	55.5	820		
Machine shop panel	P.45	.0130	22.9	41	40		
Boiler room panel	P.43	.0051	1.7	22	150		Do.
Galley power panel	P.44	.0521	44.3	99	210		
After quarters Vent. panel	P.46	.0130	18.3	41	90		
Machinery space	P.47	.0521	59.0	99	240		
Shore connection	P.O.4	.1659	200.0	217	300		

LIGHTING, HEATING, WIRELESS, NAVIGATION LIGHTS, ETC., CABLES.

DESCRIPTION.		No. in Parallel per Pole.	CONDUCTORS. Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (lead plus return feet).	INSULATION.	PROTECTIVE COVERING.
				In the Circuit.	Rule.			
Upper deck lighting	L.2	1	.1045	52.4	158	160	V.C.	Lead + basket weave armoured.
Pop " "	L.3	1	.0521	44.7	99	180		
Engine room "	L.4	1	.0521	45.7	99	30		
Boiler room "	L.5	1	.0521	30.0	99	210		
Midship "	L.101	1	.0521	55.8	99	110		
Forecastle "	L.102	1	.0206	5.2	55.5	420		
After quarters emerg. Lighting	EL.1	1	.0130	11.7	41	150		
Engine room " "	EL.2	1	.0051	13.0	22	30		
Engine room + Boiler rm. " "	E.L.3	1	.0051	8.4	22	200		
Radar	EL.102	1	.0130	12.0	41	80		
Navigation light panel	EL.101	1	.0082	2.6	30	90		
Radio	E.P.101	1	.0051	4.4	22	110		
Echo sounder	E.S.	1	.0051	3.5	22	-		
Lighting transformers	Emerg	1	.0206	49.7	55.5	50		Do.
3 galley ranges (each)		1	.0521	69.8	99	40		
After pump room lighting	L.1	1	.0130	5.2	41	-		
Midship emergency "	EL.104	1	.0206	20.9	55.5	90		
Maskhead		1	.0032	.52	11.5	360	R.I.	
Sidelights		1	.0032	.52	11.5	70	R.I.	
Cargo lighting forward	L.103	1	.0051	10.4	41	360	V.C.	
Fwd pump room	L.104	1	.0082	2.6	30	410		
Cargo lighting aft.	L.105	1	.0051	5.2	22	-		
Electric whistle control	W.	1	.0051	1.0	22	-		
Emergency gen: heaters	E.L.4	1	.0051	4.3	22	50		

MOTOR CABLES.

ALL IMPORTANT MOTORS TO BE ENUMERATED.		No.	B.H.P.						
Main condenser circ. pump	1	125	1	.1659	155	217	310		
P.S. forced draught blower (ea)	2	83	1	.1659	100	217	240		
Fire & gen. service pump	1	50	1	.0521	59.5	99	200		
Fuel oil transfer pump	1	30	1	.0521	39	99	330		
Fd. & aft. lub. oil service pump (ea)	2	25	1	.0206	31	55.5	90		
Air compressor	1	25	1	.0206	31	55.5	260		
In. & outboard main condensate	2	20	1	.0130	25	41	290		
Atmos. exh. cond. circ. pump	1	20	1	.0130	25	41	270		
Fd. & aft. water service pumps	2	15	1	.0130	20	41	250		
Mid. & out'd fuel oil service " (ea)	2	15	1	.0130	20	41	360		
Ballast pumps	1	15	1	.0130	20	41	310		
Fd. & aft. aux. cond. circ. pumps (ea)	2	10	1	.0051	13	22	120		
" " " condensate " (ea)	2	10	1	.0051	13	22	120		
Mid. & out'd condensate drain	2	7.5	1	.0051	10	22	260		
Sanitary pump	1	7.5	1	.0051	10	22	240		
Refrigerator compressors (ea)	2	10	1	.0051	13	22	100		
Turning gear	1	7.5	1	.0051	10	22	140		
Comb. cont. air compressor	1	3.0	1	.0051	7	22	270		
Distiller cond. pumps (ea)	2	3.0	1	.0051	4.5	22	150		Do.
Fd. & aft. brine over'd dis. (ea)	2	3.0	1	.0051	4.5	22	140		
" " " wash water pumps (ea)	2	3.0	1	.0051	4.5	22	120		
Potable water pumps (ea)	2	2.0	1	.0051	3	22	100		
Fd. & aft. lub. oil purifier (ea)	2	2.0	1	.0051	3	22	120		
Mid. & out'd priming pumps (ea)	2	1.5	1	.0051	2	22	300		
Gland exhaustor	1	1.0	1	.0051	1.6	22	160		
P. & S. steering gear (ea)	2	50.0	1	.0521	64.0	99	270		
Shaper		7.5	1	.0051	10	22	70		
Lathe		5.0	1	.0051	7	22	60		
Grinder		3.0	1	.0051	4.5	22	70		
Drill press		1.0	1	.0051	1.6	22	110		
Eng. & Boiler rm. supply fans	4	7.5	1	.0051	10	22	200		
Eng. rm. exhaust fans (ea)	2	5.0	1	.0051	7	22	200		
Misc. vent fans (each)	2	Various	1	.0051	7	22	200		



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A. I. E. E.

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.

Electrical Contractors.

Date Oct. 8th 1954.

COMPASSES.

Have the compasses been adjusted under working conditions.

Builder's Signature.

Date Oct 8th 1954.

Have the foregoing descriptions and schedules been verified and found correct. Yes.

Is this installation a duplicate of a previous case. Yes. If so, state name of vessel. S/S Chryssi.

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. Makers letter.

General Remarks. (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

The electrical equipment of this ship, has been installed under special survey in accordance with the approved plans.

The materials and workmanship are good throughout and the installation has been examined under full working conditions, tested as per rule and found to be satisfactory.

In my opinion is such that could be accepted for a vessel classed with this Society.

Noted 9d
13/12/54

Total Capacity of Generators 875 Kilowatts.

The amount of Fee ... £ : : When applied for,

19

When received,

19

Travelling Expenses (if any) £ : :

NEW YORK

NOV 17 1954

Committee's Minute

Assigned

blue light.

A. P. Holmes.

Surveyor to Lloyd's Register of Shipping.

2m. 9.40. Transf. (MADE AND PRINTED IN ENGLAND.)
(The Surveyor are requested not to write on or below the space for Committee's Minute.)



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