

317 JAN 1956

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 and fitted as per Rule Yes, are they adequately ventilated Yes state battery capacity in ampere hours 4 x 6V 200AH: 2 x 4V 120AH: 12 x 4V 24AH: 3 x 52V 2 AH.

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 -

and where are the controlling switches fitted - Are all fittings suitably ventilated -

Searchlight Lamps, 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 Yes 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 -

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 -

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

Control Gear and Resistances, and they constructed and fitted as per Rule Yes Lightning Conductors, where required are they fitted Rule Yes Ships carrying Oil having a Flash Point less than 150° F. Have all the special requirements of the Rules for such ship complied with - are all fuses of an Approved Cartridge Type - make of fuse - Are for rooms, tween deck spaces, etc., in accordance with the special requirements for such ships - Are the cables lead covered as Nippon Electric Co. FR146 to 147 E. S. D., if fitted state maker Ltd. location of transmitter Starboard and receiver FR1

Share Gear, if the vessel is for open sea service have spares been provided as per Rule and suitably stored in dry situ

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

PARTICULARS OF GENERATING PLANT.

DESCRIPTION OF GENERATOR.	No. of	MAKER.	RATED AT				TYPE.	PRIME M.
			KVA per Generator	Volts.	Amperes.	Revs. per Min.		
MAIN	2	MITSUI Shipbuilding & Engineering Co., Ltd.	170	445	219	450	Oil Engine	Mitsui Sh. Engines
EMERGENCY ROTARY TRANSFORMER								

GENERATOR CABLES.

DESCRIPTION.	KVA	CONDUCTORS.	MAXIMUM CURRENT IN AMPERES.				INSULAT.	PROTECTIVE
			No. in Parallel per Pole.	Sectional Area or No. and Dia. of Strands, or Sq. mm.	In the Circuit.	Rule.		
MAIN GENERATOR	170	3 C	0.25	219	231	*	V.C.	L.S.A.
" EQUALISER	* # 1	18	Metres					
	# 2	16	"					
EMERGENCY GENERATOR								
ROTARY TRANSFORMER: MOTOR								
" GENERATOR								

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

DESCRIPTION.	3 C	0.01 sq. mm.	15.4	29	31.9	V.C.	L.C.A.
" No. 2	3 C	0.0045	10	11	25.9	V.R.	"
" No. 3	3 C	0.0045	8	11	23.8	V.R.	"
" No. 4	3 C	0.01	31	32	41.9	V.C.	"
" No. 5	3 C	0.01	21.2	32	61.4	V.C.	"
" No. 6	3 C	0.007	16.9	19	38.4	V.C.	"
" No. 7	3 C	0.01	25.2	29	34.8	V.C.	"
" No. 8	3 C	0.01	21.7	29	14.6	V.C.	"
" No. 9	3 C	0.0045	9.3	11	25.8	V.R.	"
" No. 10	3 C	0.0145	31.5	38	9.6	V.C.	"
" No. 11	3 C	0.007	15	19	10	V.C.	"
" No. 12	3 C	0.0045	10.7	11	11.4	V.R.	"
" No. 13	3 C	0.007	12.3	19	25.8	V.C.	"
115V Feeder Transformer	2	0.03 x 4	35.1	38	9 x 4	V.R.	"
" (To Feeder Panel)	2	0.2 x 4	130.3	133	9 x 4	V.R.	"

LIGHTING, HEATING, WIRELESS, NAVIGATION LIGHTS, ETC., CABLES.							
DESCRIPTION.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.	APPROX. LENGTH (lead plus return feet)	INSULAT.	PROTECTIVE COVERING.	CIRCUIT.
	No. in Parallel per Pole.	Sectional Area or No. and Dia. of Strands, or Sq. mm.					
Argo Light Panel No.1	3 C	0.0145	16.2	42	35.9	V.C.	L.C.A.
" No. 2	3 C	0.03	33.4	64	45.6	"	"
" No. 3	3 C	0.0225	26	58	63.6	"	"
Light Panel No.1	3 C	0.007	9.6	19	32.5	"	"
" No. 2	3 C	0.0145	26.8	42	13.8	"	"
" No. 3	3 C	0.03	60	64	12.1	"	"
" No. 4	3 C	0.2	142.3	200	21.2	"	"
" No. 5	3 C	0.003	4.4	10	49.8	V.R.	"
" No. 6	3 C	0.007	8.1	21	78	V.C.	"
" No. 7	3 C	0.0225	43.6	51	7.1	"	"
Board	3 C	0.0045	10	11	25.9	V.R.	"
Indicator	2 C	0.007	1.64	17	32.7	"	"
"	2 C	0.007	1.64	17	9	"	"
Action Box (From M.S.P. To Trans)	3 C	0.0145	38.5	42	55.2	V.C.	"
" (From Trans To Box)	3 C	0.1	78.8	141	5	"	"
Canal Light	2 C	0.0225	36.4	46	95.5	V.R.	"

MOTOR CABLES.

B.H.P.	SQ. MM.						
1	1	3 C	0.0045	7.8	7	16.9	V.R.
1	1	3 C	0.003	1.8	7	51.9	L.C.A.
1	4	3 C	0.003	6	7	11.8	"
1	1.5	3 C	0.003	2.7	7	5	"
1	2	3	0.003	3.2	7	10	"
1	5	3	0.0045	7.5	11	9	"
1	5	3	0.0045	7.5	11	44.4	"
1	5	3	0.0045	7.5	11	32.5	"
1	5	3	0.0045	9	11	12	"
1	6	3	0.0045	9	11	9.2	"
1	6	3	0.0045	9	11	7.8	"
1	3	3	0.003	4.5	7	13.6	"
1	5	3	0.0045	7.5	11	13.1	"
1	5	3	0.0045	1.8	7	6.2	"
1	1	3	0.003	1.8	7	25.1	"
1	7.5	3	0.0045	10.8	11	12.6	"
1	2	3	0.003	3.2	7	10.4	"
1	3	3	0.003	4.5	7	13.2	"
1	15/7.5	3	0.007	10.8	29	5	"
1	1.5	3	0.003	2.7	7	4.5	"
1	1.5	3	0.003	2.7	7	6.5	"
1	20	3	0.0145	26.4	42	76.1	V.C.
1	2.5	3	0.003	4	10	18.9	"
1	2.5	3	0.003	4	10	14.1	"
1	-	3	0.003	7.5	10	45.8	"
1	-	3	0.003	16	21	8.2	V.C.
1	12	3	0.007	7.5	10	8.8	V.R.
1	5	3	0.003	7.5	10	7.2	"
1	10	3	0.0045	13.7	15	6.6	"
1	-	3	0.003	7.5	10	17.2	V.C.
1	9.6/8	3	0.007	13.7	21	26.2	V.R.
1	2	3	0.003	3.2	7	32.8	V.C.
1	15	3	0.007	16.7	19	31.4	"
1	75						

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.

MITSUI SHIPBUILDING & ENGI-
NEERING CO., LTD., TOKIO WORKS.

T. Asano for S. Tanaka
Electrical Contractors.

Date

Senior Managing Director.

COMPASSES.

Have the compasses been adjusted under working conditions.

MITSUI SHIPBUILDING & ENGI-
NEERING CO., LTD., TOKIO WORKS.

T. Asano for S. Tanaka
Signature.

Date

Senior Managing Director.

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 No If not, state date of approval 5th May, 1955.

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

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

The electrical installation of this vessel has been constructed under special survey in accordance with the Rules, approved plans and Secretary's letters.

The material and workmanship are sound and good.

The electrical installation has been examined under dock and comprehensive sea trials

PRIME M

Mitsui Sh
Engines

(The Surveyors are requested not to write on or below the space for Committee's Minute.)

Total Capacity of Generators 340

K.V.A.
Kilowatts.

The amount of Fee ... ⠼ 753,000 : When applied for,

DEC. 30, 1955

When received,

Travelling Expenses (if any) See Rpt. I.

Se. Johnson & J. Morohoshi
Surveyors to Lloyd's Register of Shipping.

Committee's Minute FRIDAY 10 FEB 1956

Assigned See Rpt. I.

(MADE AND PRINTED AT KORE.)

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Foundation