

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 in special compartment, bridge deck.

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. — are they adequately ventilated. — 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. — if so, how are they protected. —

and where are the controlling switches fitted. — Are all fittings suitably ventilated. Yes

Searchlight Lamps, No. of 2, whether fixed or portable. fixed, are they of the carbon arc or of the filament type. filament

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. 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. 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, 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. — are all fuses of an Approved Cartridge Type. — make of fuse. — Are the fittings for pump rooms, tween deck spaces, etc., in accordance with the special requirements for such ships. — Are the cables lead covered as per Rule. —

E.S.D., if fitted state maker. Submarine signals location of transmitter. Ys 122/123 and receiver. Ys 123/124

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	3	W. H. Allen	340	240/120	1420	600	I.C. Diesel	National Gas & O.E.
EMERGENCY ROTARY TRANSFORMER	1	Donphton Parkinson	25	240	104	1000	I.C. Diesel	Russell Newberry.

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.	In the Circuit.	Rule.			
MAIN GENERATOR	340	2	91/103	1420	1564	200	V.C.	L.S. Wire braid.
" EQUALISER	"	1	91/103	—	782	100	"	" " "
EMERGENCY GENERATOR								
ROTARY TRANSFORMER MOTOR GENERATOR								

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

DESCRIPTION.	No.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.	APPROX. LENGTH (lead plus return feet).	INSULATION.	PROTECTIVE COVERING.
Aux. Switchboards A & B	1	61/093	354	492	690	V.C.	L.S. Wire braid.
C	1	37/083	285	314	210	"	" "
D & E	1	37/103	354	408	345	"	" "
F	1	61/103	530	572	195	"	" "
G (Heating)	1	91/103	685	782	225	"	" "
G (Galley)	1	37/103	397	408	225	"	" "
Laundry Equipment (etc.)	1	19/052	36	110	99	"	" "
Ventilation Cargo	1	19/044	55	92	60	"	" "
Machinery	1	7/0	51	92	60	V.C.	" "
Accommodation	1	7/064	35	46	75	V.I.R.	" "
Navigation, etc.	1	19/052	30	110	300	V.C.	" "
Shore Connection	1	91/103	500	782	60	"	" "

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

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 (lead plus return feet).	INSULATION.	PROTECTIVE COVERING.
			In the Circuit.	Rule.			
Wireless	1	19/044	20	92	90	V.C.	L.S. Wire braided.
Radar	1	19/044	25	92	120	"	" "
Navigation	1	7/044	8	31	240	V.I.R.	" "
Lighting - Eng. Rm. Refrig. machinery	1	19/044	68	92	99	V.C.	" "
Officers' Accommodation midships	1	19/083	108	202	261	"	" "
Crew	1	19/064	85	143	141	"	" "
" aft	1	19/064	54	143	459	"	" "
Cargo fwd.	1	19/064	53	143	471	"	" "
" aft	1	19/052	28	110	240	"	" "
Lucy: Officers' cabins mid. aft	1	7/044	20	31	216	V.I.R.	" "
Boat lights	1	7/044	16	31	240	"	" "
E.R. & Refrig.	1	7/052	15	37	168	"	" "
Gyro Compass	1	19/044	30	92	300	V.C.	" "
Colourifiers aft	1	19/052	70	110	255	"	" "
Midships	1	19/052	70	110	90	"	" "
Heaters Nav. Bridge & Boat decks	1	19/083	131	202	99	"	" "
Boat decks aft accommodation	1	19/083	126	202	129	"	" "
" fwd.	1	19/044	66	92	72	"	" "
Shelter dk fwd.	1	19/064	92	143	129	"	" "
" mid.	1	19/064	111	143	72	"	" "
Shelter main dks. aft.	1	19/083	163	202	450	"	" "
Oil Heater 30 kds.	1	19/064	130	143	120	"	" "
" 36 "	1	19/083	157	202	105	"	" "
Water " " "	1	19/083	157	202	264	"	" "
Automatic Boiler Blower	1	7/036	15	24	80	"	" "

MOTOR CABLES.

ALL IMPORTANT MOTORS TO BE ENUMERATED.	No.	B.H.P.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.	APPROX. LENGTH (lead plus return feet).	INSULATION.	PROTECTIVE COVERING.
Steering Gear	2	16	19/052	61	110	396	V.C.	L.S. Wire braided.
Rundlers	1	55	37/072	210	277	60	"	" "
O.F. Transfer Pumps	2	13	19/044	49	92	120	"	" "
Bridge Pumps	1	14.5	19/044	56	92	78	"	" "
Sub. Oil Pumps	2	17	19/044	66	92	90	"	" "
Ballast Pump	1	22	19/044	83	92	90	"	" "
G.S. Pumps	1	26	19/052	98	110	90	"	" "
S.W. Circ. Pumps	2	32	19/064	118	143	240	"	" "
A. No. " "	2	39	19/083	145	202	264	"	" "
Air Compressor	2	60	37/072	215	260	60	"	" "
Running Pump	1	2	7/029	8.7	15	70	V.I.R.	" "
Fuel Valve Cooling pumps	2	1.5	7/036	6.6	10	60	"	" "
Aux. S.W. circ pumps	2	7	7/052	28	37	80	"	" "
Refrigeration: Compressors	3	28	19/064	106	143	99	V.C.	" "
Boys' pumps	3	4	7/036	16	24	69	V.I.R.	" "
Waste	4	5.5	7/036	21	24	140	"	" "
S.W. circ pump	2	3	7/036	13	24	108	"	" "
Captain	1	55	37/072	210	277	264	V.C.	" "
Cargo Dishes	16	43	19/083	177	238	60/153	"	" "
O.F. Service Pumps	2	1.5	7/029	7	15	140	V.I.R.	" "
Oil Runners	3	3.5	7/036	14	24	60	"	" "

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

COMPASSES.

Have the compasses been adjusted under working conditions

Yes



Builder's Signature. Date

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

CIUDAD DE MEDDELIN

Plans. Are approved plans forwarded herewith

No

If not, state date of approval

29. 11. 50.

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 equipment of this vessel has been installed under Special Survey, tried under full working conditions, and found satisfactory. Materials and workmanship are good.

Noted 17.12.51

Total Capacity of Generators 1,045 Kilowatts.

The amount of Fee ...
 Gls. 107 8 }
 £ 26 17 }
 When applied for,
 Nov. 5. 1951
 Travelling Expenses (if any) £ 2 : 6 : 3
 When received,
 19...

B. Gaffner

Surveyor to Lloyd's Register of Shipping.

GLASGOW 4 DEC 1951

Committee's Minute

Assigned See Gls. F.E. Machig Report No 77865

2m.9.46.—Transfer. (MADE AND PRINTED IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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