





current protection devices been tested under working conditions yes are all fuses labelled as per rule yes

**Joint Boxes, Section and Distribution Boards**, is the construction, protection, insulation, material, and position of these as per rule yes

**Cables**: Single, twin, concentric, or multicore all type are the cables insulated and protected as per Tables IV, V, X, XI, XII or XIII of the Rules yes

If the cables are insulated otherwise than as per Rule, are they of an approved type yes **Fall of Pressure**, state maximum between bus bars and any point of the installation under maximum load less than 2 1/2

**Cable Sockets**, are the ends of all cables having a sectional area of 0.04 square inch and above provided with soldering sockets yes **Paper Insulated and Varnished Cambric Insulated Cables**, If conductors are paper or varnished cambric insulated, is the dielectric at the exposed ends of the conductor protected from moisture by being suitably sealed with insulating compound yes, or waterproof insulating tape yes

**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 are cables laid under machines or floorplates no if so, are they adequately protected yes

Are cables in machinery spaces, galleys, laundries, bathrooms and lavatories lead covered or run in conduit yes

**Support and Protection of Cables**, state how the cables are supported and protected galvanised iron clips with brass screws

If cables are run in wood casings, are the casings and caps secured by screws yes, are the cap screws of brass yes, are the cables run in separate grooves yes If armoured and lead covered cables are secured by metal clips, are the clips spaced as per Table VIII yes

**Refrigerated Chambers**, are the cables and fittings in accordance with the special requirements yes

**Joints in Cables**, state if any, and how made, insulated, and protected yes

**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 yes are their connections made as per Rule yes

**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 yes

**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 yes are they ventilated as per Rule yes

**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 yes are any fittings placed in spaces where inflammable or explosive dust or gases are liable to be present, if so, how are they protected yes how are the cables led yes where are the controlling switches situated yes are all fittings suitably ventilated yes are all switches and lampholders constructed wholly of non-ignitable, non-absorbent materials yes

**Heating and Cooking Appliances**, are they constructed and fitted as per Rule yes are air heaters constructed and fitted as per Rule yes

**Searchlight Lamps**, No. of yes whether fixed or portable yes are their fittings as per Rule yes

**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 yes and yes have machines of over 100 BHP been inspected by the Surveyors during manufacture and testing yes have certificates for all motors for essential services been supplied and approved yes

**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 are all fuses of the filled cartridge type yes are they of an approved type yes If portable lamps for use in dangerous spaces are supplied, are they of a self-contained, battery-fed flameproof type approved for use in dangerous spaces yes **Spare Gear**, if the vessel is for open sea service have spares been supplied as per Rule yes are they suitably stored in dry situations yes

PARTICULARS OF GENERATING PLANT.									
DESCRIPTION OF GENERATOR.	No. of	RATED AT				DRIVEN BY	WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE.		
		Kilowatts.	Volts.	Ampères.	Rev. per Min.		Fuel Used.	Flash Point of Fuel.	
MAIN ...	one	1.0	24/36	50	1000/1200	Hand 10 B.H.P. Diesel	Diesel Oil	above 150° F.	
AUXILIARY ...	one	1.0	24/36	50	1000/1200	by belt from internal	Diesel oil	above 150° F.	
EMERGENCY ...						Shaft. from main engine			
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 Nominal Area per Pole Sq. Ins.	No.	Diameter. 22-27.	Circuit.	Rule.			
MAIN GENERATOR ...	1	16	7	1.75	50	53	24.	rubber	lead sheath wire
EQUALISER CONNECTIONS ...									
AUXILIARY GENERATOR ...	1	16	7	1.75	50	53	23.	rubber	lead sheath wire
EMERGENCY GENERATOR ...									
ROTARY TRANSFORMER MOTOR GENERATOR ...									
ENGINE ROOM ...	1	2 1/2	7	0.60	3	12.9	24.	rubber	lead sheath wire
BOILER ROOM ...	1	2 1/2	7	0.60	3	12.9	30.50	rubber	lead sheath wire
AUXILIARY SWITCHBOARDS ...	1	4	7	0.85	12	10.2	16	rubber	lead sheath wire
ACCOMMODATION ...	1	2 1/2	7	0.60	4	12.9	101	"	lead
"	1	2 1/2	7	0.60	4	12.9	113	"	lead
"	1	2 1/2	7	0.60	4	12.9	124	"	lead sheath wire
WIRELESS ...									
SEARCHLIGHT ...									
MASTHEAD LIGHT ...	1	1 1/2	1	1.39	1.54	7.8	80	"	lead sheath wire
SIDE LIGHTS ...	1	1 1/2	1	1.39	1.54	7.8	6	"	" " "
COMPASS LIGHTS ...	1	1 1/2	1	1.39	1.54	7.8	4	"	" " "
POOP LIGHTS ...	1	1 1/2	1	1.39	1.54	7.8	24	"	" " "
CARGO LIGHTS and forecastle	1	2 1/2	7	0.60	2.9	12.9	65	"	" " "
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 Nominal Area per Pole Sq. Ins.	No.	Diameter.	In Circuit.	Rule.			
BALLAST PUMP ...										
MAIN BILGE LINE PUMPS ...										
GENERAL SERVICE PUMP ...										
EMERGENCY BILGE PUMP ...										
SANITARY PUMP ...										
CIRC. SEA WATER PUMPS ...										
CIRC. FRESH WATER PUMPS ...										
AIR COMPRESSOR ...										
FRESH WATER PUMP ...										
ENGINE TURNING GEAR ...										
ENGINE REVERSING GEAR ...										
LUBRICATING OIL PUMPS ...										
OIL FUEL TRANSFER PUMP ...										
WINDLASS ...										
WINCHES, FORWARD ...										
WINCHES, AFT ...										
STEERING GEAR—										
(a) MOTOR GENERATOR ...										
(b) MAIN MOTOR ...										
WORKSHOP MOTOR ...										
VENTILATING FANS ...										



*The foregoing is a correct description.*

Date 7-5-1938

The maximum deviation due to electric currents was found to be nihil degrees on every direction course in the case of the standard compass, and nihil degrees on every course in the case of the steering compass.

Date 10-5-38

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

This installation has been fitted in accordance to the Society's Rules, approved plans and Secretary's letters and was found in a good working condition, when tried and may merit in our opinion the Committee's approval.

Wied  
L. J.  
20/5/38

*Total Capacity of Generators*..... 3. 6. *Kilowatts.*

The amount of Fee ... ..	£ 60.00	When applied for,	19 .....
Travelling Expenses (if any) £	:	When received,	2. 6 19. 38

*A. H. Hickmeyer* *For William*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE 24 MAY 1938

*Assigned*

See Geo D.E. 2a