



current protection devices been tested under working conditions  **Joint Boxes, Section and Distribution Boards**, is the construction, protection, insulation, material, and position of these as per rule  **Cables**: Single, twin, concentric, or multicore single are the cables insulated and protected as per Tables IV, V, X or XI of the Rules  If the cables are insulated otherwise than as per Rule, are they of an approved type  **Fall [of] Pressure**, state maximum between bus bars and any point of the installation under maximum load 5.1 Volts. **Cable Sockets**, are the ends of all cables having a sectional area of 0.04 square inch and above provided with soldering sockets  **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  or waterproof insulating tape  **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, uplakes or other hot objects, or to avoidable risk of mechanical damage  Are cables in machinery spaces, galleys, laundries, bathrooms and lavatories lead covered or run in conduit  **Support and Protection of Cables**, state how the cables are supported and protected hands. L.C.A. run in pipe on decks. wiring in machinery spaces. L.C.A. clipped. wiring in accommodation L.C. clipped to woodwork or stull work. If cables are run in wood casings, are the casings and caps secured by screws  are the cap screws of brass  are the cables run in separate grooves  If armoured and lead covered cables are secured by metal clips, are the clips spaced as per Table VIII  **Refrigerated Chambers**, are the cables and fittings in accordance with the special requirements  **Joints in Cables**, state if any, and how made, insulated, and protected none **Watertight Glands and Deck Tubes**, are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands  **Bushes in Beams and Non-watertight Partitions**, where unarmoured cables pass through beams and non-watertight partitions, are the holes efficiently bushed  state the material of which the bushes are made lead. **Earthing Connections**, state what earthing connections are fitted and their respective sectional areas lead and armouring efficiently earthed by means of clips or bonding glands. are their connections made as per Rule  **Alternative Lighting**, are the groups of lights in the propelling machinery space arranged as per Rule  **Emergency Supply**, state position and method of control of the emergency supply and how the generator is driven  **Navigation Lamps**, are these separately wired  controlled by separate switch and separate fuses  are the fuses double pole  are the switches and fuses grouped in a position accessible only to the officers on watch  **Secondary Batteries**, are they constructed and fitted as per Rule  has each navigation lamp an automatic indicator as per Rule  **Fittings**, are all fittings on weather decks, in stokeholds and engine rooms and wherever exposed to drip or condensed moisture, watertight  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  are any fittings placed in spaces where inflammable or explosive dust or gases are liable to be present, if so, how are they protected fittings in gaslight recess in pump room in gaslight tubing outside pump room. where are the controlling switches situated in after accommodation. are all fittings suitably ventilated  are all switches and lampholders constructed wholly of non-ignitable, non-absorbent materials  **Heating and Cooking Appliances**, are they constructed and fitted as per Rule  are air heaters constructed and fitted as per Rule  **Searchlight Lamps**, No. of  whether fixed or portable  are their fittings as per Rule  **Arc Lamps**, other than searchlight lamps, No. of  are their live parts insulated from the frame or case  are their fittings as per Rule  **Motors**, are their working parts readily accessible  are the coils self-contained and readily removable for replacement  are the brushes, brush holders, terminals and lubricating arrangements as per Rule  are the motors placed in well-ventilated compartments in which inflammable gases cannot accumulate and clear of all inflammable material  are they protected from mechanical injury and damage from water, steam or oil  are their axes of rotation fore and aft  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  if not of this type, state distance of the combustible material horizontally or vertically above the motors  **Control Gear and Resistances**, are the generator have machines of over 100 BHP been inspected by the Surveyors during manufacture and testing  **Lightning Conductors**, where lightning conductors field and motor speed regulators, starters and controllers constructed and fitted as per Rule  **Ships carrying Oil having a Flash Point less than 150 F.** Have the special requirements of are required, are these fitted as per Rule  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  are all fuses of the filled cartridge type  are they of an approved type  If portable lamps for use in dangerous spaces are supplied, are they of a self-contained, battery-fed type approved by the Home Office  **Spare Gear**, if the vessel is for open sea service have spares been supplied as per Rule

PARTICULARS OF GENERATING PLANT.

DESCRIPTION OF GENERATOR.	No. of	RATED AT			DRIVEN BY	WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE.	
		Kilowatts.	Volts.	Amps.		Revs. per Min.	Fuel Used.
MAIN	1	10	110	91	680	Steam engine.	
AUXILIARY							
EMERGENCY							
ROTAARY 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.	In Circuit.	Rule.			
MAIN GENERATOR	1	1	19	.083	91	118	25	Rubber	L.C.A.
EQUALISER CONNECTIONS									
AUXILIARY GENERATOR									
EMERGENCY GENERATOR									
ROTAARY TRANSFORMER MOTOR GENERATOR									
ENGINE ROOM S.B.	1	.0145	7	.052	32.3	37	40	"	"
BOILER ROOM									
AUXILIARY SWITCHBOARDS									
NAVIGATION D.B.	1	.0225	7	.064	9.5	46	450	"	"
ACCOMMODATION									
AFT ACCOM. S.B.	1	.06	19	.064	81	83	100	"	"
MID. ACCOM. D.B.	1	.04	19	.052	25	64	400	"	"
FORW. ACCOM. D.B.	1	.0225	7	.064	15.2	46	600	"	"
WIRELESS	1	.0045	7	.029	15	18.2	100	"	"
SEARCHLIGHT	1	.002	3	.029	36	7.8	390	"	"
MASTHEAD LIGHT	1	.002	3	.029	36	7.8	60	"	L.C.
SIDE LIGHTS	1	.002	3	.029	2	7.8	20	"	"
COMPASS LIGHTS									
POOP LIGHTS									
CARGO LIGHTS									
ARC LAMPS									
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	1	1	.004	7	.036	20.3	24	70	Rubber	L.C.A.
WORKSHOP MOTOR	1	1	.004	7	.036	10	24	60	"	"
VENTILATING FANS	1	1	.004	7	.036					

All Conductors are of annealed copper conforming to British Standard Specification No. 7 (or International Electro-technical Commission Publication No. 28).

The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.

The foregoing is a correct description.

for Clarke, Chapman & Co., Ltd.

W. L. Taylor Director

Electrical Engineers.

Date 13<sup>th</sup> June 1938

COMPASSES.

Distance between electric generators or motors and standard compass 178 feet

Distance between electric generators or motors and steering compass 175 feet

The nearest cables to the compasses are as follows:—

A cable carrying 2 Ampères led into feet from standard compass led into feet from steering compass.

A cable carrying 9.5 Ampères 10 feet from standard compass 8 feet from steering compass.

A cable carrying Ampères feet from standard compass feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power yes

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted yes

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

BLYTHASWOOD SHIPBUILDING CO. LTD.

John W. Stewart

Secretary

Builder's Signature.

Date 30<sup>th</sup> June 1938

Is this installation a duplicate of a previous case no If so, state name of vessel —

General Remarks (State quality of workmanship, opinions as to class, &c.) The electrical equipment of this vessel has been installed on board under special survey and tested under full working conditions and found satisfactory. The materials and workmanship are good.

Noted

24

7/7/38

26  
4.4.38

Total Capacity of Generators 10 Kilowatts.

The amount of Fee ... £ 10 : — : When applied for, 4 = JUL 1938

Travelling Expenses (if any) £ — : — : When received, 9/7/38

Committee's Minute

GLASGOW 5 = JUL 1938

Assigned

SEE ACCOMPANYING MACHINERY REPORT.

R. I. Hutchison & Staff  
Surveyors to Lloyd's Register of Shipping.



© 2020

Lloyd's Register Foundation