



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

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

**Cables:** Single, twin, concentric, or multi-core *single* are the cables insulated and protected as per Tables IV, V, VI, VII, VIII 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 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, uptakes or other hot objects, or to avoidable risk of mechanical damage  are cables laid under machines or floorplates *10* if so, are they adequately protected

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 *announced cables used, supports by poles, steel clips, or cables when necessary shielded by also casing.*

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 *No joints*

**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  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 *The emergency generator is placed on the main deck in the poop space and is worked by a 1-cyl. 2 SCIA engine and engine.*

**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

has each navigation lamp an automatic indicator as per Rule  **Secondary Batteries,** are they constructed and fitted as per Rule  are they ventilated 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 *Lamps in pump rooms contained in glass globe protected by steel grids through galvanized steel tubes carried upright into lamp holders.* how are the cables led  where are the controlling switches situated *in the deck house amidships.*

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** *non fire* whether fixed or portable  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 & flame proof type  if not of this type, state distance of the combustible material horizontally or vertically above the motors  and

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

**Control Gear and Resistances,** are the generator field and motor speed regulators, starters and controllers constructed and fitted as per Rule

**Lightning Conductors,** where lightning conductors are required, are these fitted as per Rule

**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  are all fuses of the fitted 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 flameproof type approved for use in dangerous spaces

**Spare Gear,** if the vessel is for open sea service have spares been supplied as per Rule  are they suitably stored in dry situations

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.	Flash Point of Fuel.
MAIN	2	16	110	146	600	shown		
AUXILIARY								
EMERGENCY	1	7	110	63.7	550	1-cyl. 2 SCIA OIL ENGINE	crude oil > 150° F	
ROTARY TRANSFORMER						(H.I.A.S.)		

GENERATOR, LIGHTING AND HEATING CONDUCTORS.

DESCRIPTION.	CONDUCTORS.		COMPOSITION OF STRAND.		TOTAL MAXIMUM CURRENT. AMPERES.		Approximate Length. (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
	No. per Pole.	Total Nominal Area per Pole Sq. mm.	No.	Diameter.	In Circuit.	Rule.			
MAIN GENERATOR	1	95	19	2.52	140	147	20 24	rubber	lead covered
EQUALISER CONNECTIONS									
AUXILIARY GENERATOR									
EMERGENCY GENERATOR	1	35	19	1.53	63.7	77	4	"	also wire armoured.
ROTARY TRANSFORMER MOTOR GENERATOR									
ENGINE ROOM									
HEATER ROOM	1	25	7	2.13		63			
AUXILIARY SWITCHBOARDS FOR LIGHT	1	16	7	1.70	90	48	40	"	"
ENGINE ROOM	1	10	7	1.35	10	38	40	"	"
ACCOMMODATION									
AWARDSHIP	1	16	7	1.70	40	48.7	190	"	"
AFT	1	10	7	1.35	30	38	10	"	"
WIRELESS	1	16	7	1.70	19	48.7	200	"	"
SEARCHLIGHT (CABLE LAID)	1	35	19	1.53		77	275	"	"
MASTHEAD LIGHT									
SIDE LIGHTS									
COMPASS LIGHTS	1	10	7	1.35	5	38	200	"	"
POOP LIGHTS									
CARGO LIGHTS									
HEATERS									

MOTOR CONDUCTORS.

DESCRIPTION.	No. of Motors.	CONDUCTORS.		COMPOSITION OF STRAND.		TOTAL MAXIMUM CURRENT. AMPERES.		Approximate Length. (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
		No. per Pole.	Total Nominal Area per Pole Sq. mm.	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	1	1	35	19	1.53	54	77	44	RUBBER	lead covered and also wire armoured
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	1	1	10	7	1.35	28	38	48	"	"
VENTILATING FANS										
OIL PURIFIER	1	1	10	7	1.35	24	38	32	"	"
"	1	1	10	7	1.35	24	38	41	"	"
"	1	1	10	7	1.35	24	38	40	"	"

The Electrical Equipment is installed in accordance with the approved plans.  
 All Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.  
 The foregoing is a correct description.

Dansk Elektricitetscompagni  
*J. M. Møller*

Electrical Engineers.

Date 19-10-1937

COMPASSES.

Minimum distance between electric generators or motors and standard compass 40'

Minimum distance between electric generators or motors and steering compass 30'

The nearest cables to the compasses are as follows:—

A cable carrying 5 Ampères 12 feet from standard compass 12 feet from steering compass.

A cable carrying 1/2 Ampères 12 feet from standard compass 5 feet from steering compass.

A cable carrying 1/5 Ampères 8" feet from standard compass 8" 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 0 degrees on any course in the case of the standard

compass, and 0 degrees on any course in the case of the steering compass.

ODENSE STAALSKIBSVÆRFT  
 YED A. P. MØLLER

*Paul Hansen*

Builder's Signature.

Date 16-10-37

Is this installation a duplicate of a previous case  If so, state name of vessel

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

The electric light and power installation as herein described has been fitted in accordance with the Society's Rules, the approved plans and the requirements contained in the Secretary's letter E dated 18/5.24/37.

On inspection the whole installation was tested under full power working conditions and as required by the Rules and found satisfactory.

*W. J. J.*  
 25/10/37

Total Capacity of Generators 39 Kilowatts.

The amount of Fee ... 14.554.40

When applied for, 20.10.19.37

Travelling Expenses (if any) £ —

When received, 1.10.19.37

*Christoffer*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE 26 OCT 1937

Assigned See other F.B. report

2m.12.30.—Transfer. The Surveyors are requested not to write on or below the space for Committee's Minute.

