

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 multicore are the cables insulated and protected as per Tables IV, V, X, XI, XII or XVI 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
Cable Sockets, are the ends of all cables having a sectional area of 0.04 square inch and above provided with soldering sockets

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
Paper Insulated and Varnished Cambric Insulated Cables.

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
Cable Runs, are the cables fixed as far as possible in accessible positions if so, are they adequately protected

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

Support and Protection of Cables, state how the cables are supported and protected
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

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

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

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

Searchlight Lamps, are they constructed and fitted as per Rule
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 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	1	16	110	145.5	390	Single exp. steam engine		
AUXILIARY	1	16	110	145.5	390	Single exp. diesel engine	Diesel Oil	Active 150° F
EMERGENCY								
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.	In Circuits.	Rule.			
MAIN GENERATOR	1	.075	19	.072	145.5	157	52	V.C.	L.C.A.B.
CONNECTION	1	.075	19	.072	145.5	157	140	V.C.	L.C.A.B.
AUXILIARY GENERATOR	1	.075	19	.072	145.5	157	90	V.C.	L.C.A.B.
EMERGENCY GENERATOR									
ROTARY TRANSFORMER GENERATOR									
ENGINE ROOM	1	.0225	7	.064	39.5	46	140	V.I.R.	L.C.A.B.
MAIN BILGE PUMP	1	.0225	7	.064	39.5	46	130	V.I.R.	L.C.A.B.
AUXILIARY SWITCHBOARDS	1	.0225	7	.064	39.5	46	170	V.I.R.	L.C.A.B.
DRINK PARTABLES D.B.	1	.007	7	.026	13.6	24	75+200	V.I.R.	L.C.A.B.
NAVIAN. L.T.G. D.B.	1	.007	7	.026	2.5	24	420	V.I.R.	L.C.A.B.
MIDSHIP PUMP D.B.	1	.0225	7	.064	39.5	46	370	V.I.R.	L.C.A.B.
WATER PUMP D.B.	1	.0225	7	.064	39.5	46	300	V.I.R.	L.C.A.B.
ACCOMMODATION									
ART. ROOM D.B. FEED.	1	.0225	7	.064	39.5	46	130	V.C.	L.C.A.B.
WATER PUMP D.B.	1	.0225	7	.064	39.5	46	120	V.I.R.	L.C.A.B.
WATER PUMP D.B.	1	.0225	7	.064	39.5	46	6	V.I.R.	L.C.A.B.
WATER PUMP D.B.	1	.0225	7	.064	39.5	46	6	V.I.R.	L.C.A.B.
WIRELESS	1	.0145	7	.052	18.25	37	350	V.I.R.	L.C.A.B.
SEARCHLIGHT									
MASTHEAD LIGHT	1	.002	3	.029	.36	7.8	360	V.I.R.	L.C.A.B. & L.C.
SIDE LIGHTS	1	.002	3	.029	.36	7.8	60	V.I.R.	L.C.
COMPASS LIGHTS	1	.002	3	.029	.14	7.8	40	V.I.R.	L.C.
WATER LIGHT	1	.002	3	.029	.36	7.8	410	V.I.R.	L.C.A.B. & L.C.
CARGO LIGHTS									
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 Circuits.	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	.0225	7	.064	40	75	100	V.C.	L.C.A.B.
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										
E.R. AUXILIARY S.B. FEED.	1	1	.0225	7	.064	89.4	75	40+130	V.C.	L.C.A.B.
WATER PUMP D.B.	1	1	.007	7	.036	17.8	24	30	V.I.R.	L.C.A.B.
FRESH BILGE PUMP	1	1	.007	7	.036	16.1	24	46	V.I.R.	L.C.A.B.
DRINKING M/C	1	1	.007	7	.036	17.7	24	30	V.I.R.	L.C.A.B.
GRINDER	1	1	.007	7	.036	24.0	24	16	V.I.R.	L.C.A.B.
LATHING M/C	1	1	.007	7	.036	18.8	24	25	V.I.R.	L.C.A.B.

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.

H. Sunderland Forge & Dry Ltd Electrical Engineers. Date *29-11-1938*
J. I. Turner

COMPASSES.

Minimum distance between electric generators or motors and standard compass *130 feet*

Minimum distance between electric generators or motors and steering compass *120 feet*

The nearest cables to the compasses are as follows:—

A cable carrying *1/4* Ampères *on the* feet from standard compass *1/2* feet from steering compass.

A cable carrying *1/4* Ampères *1/2* feet from standard compass *on the* 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 *every* course in the case of the standard compass, and *nil* degrees on *every* course in the case of the steering compass.

FOR SMITH'S DOCK CO. LTD

J. W. Gowers

Builder's Signature. Date *1st December 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 fitted under special survey. The materials used and the workmanship are good. On completion the equipment was operated under working conditions and the insulation resistance of all circuits and apparatus was measured. This equipment can, in my opinion, be considered suitable for a classed vessel carrying petroleum in bulk.*

The vessel is fitted with direction finding equipment and an echo sounding device.

Noted
L. J. H.

30/12/38

Total Capacity of Generators *32* Kilowatts.

The amount of Fee ... £ *23* : - : When applied for, *21-12-1938*

Travelling Expenses (if any) £ : : When received, *1-2-1939*

S. G. G. G.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI 8 JAN 1939*

Assigned *See FE machy rpt*



© 2021

Lloyd's Register
Foundation