





Fittings, are all fittings on weather decks, in storerooms and engine rooms and wherever exposed to dry or condensed moisture, whether proof yes. Are fittings installed where readily combustible materials or inflammable or explosive dust or gases are likely to be present yes, if so, how are they protected DS. "Disprison" Flameproof Lighting fittings as approved installed in Centrecastle and where are the controlling switches fitted in office accommodation, are all fittings suitably ventilated yes, are all fittings and accessories constructed and installed as per Rule yes. Searchlight Lamps, No. of none fitted, whether fixed or portable —, are their fittings as per Rule —. Heating and Cooking, is the general construction as per Rule —, are the frames effectually earthed —, are heaters in the accommodation of the convection type —. Motors, are all motors constructed and installed as per Rule yes and placed in well-ventilated compartments in which inflammable gases cannot accumulate and free from damage from water, steam and oil yes, if situated near unprotected combustible material state minimum distance from same horizontally — and vertically —. Are motors coupled to oil fuel transfer and unit pressure pumps capable of being stopped from a position accessible in the event of fire in the pump compartment none fitted. Have motors of 100 BHP and over been inspected by the Surveyors during manufacture and testing none fitted. Have certificates of test for motors under 100 BHP intended for essential services been supplied and the results found as per Rule none fitted. Control Gear and Resistances, are they constructed and fitted as per Rule yes. Lightning Conductors, where required are they fitted as per Rule none fitted. 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 yes, are all fuses of the cartridge type yes. Are the fittings for pump rooms, 'tween deck spaces, etc., in accordance with the special requirements for such ships yes. Are the cables lead covered as per Rule yes. Spare Gear, if the vessel is for open sea service have spares been provided as per Rule yes, are they suitably stored in dry situations yes. Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory yes.

DESCRIPTION OF GENERATOR.	No. of	RATED AT				DRIVEN BY	WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE.	
		Kilowatts.	Volts.	Ampères.	Revs. per Min.		Fuel Used.	Flash Point of Fuel
MAIN ... ..	2	30	110	273	685	Single Cylinder Vertical Steam engine		
EMERGENCY ...								
ROTARY TRANSFORMER								

DESCRIPTION.	KILOWATTS.	CONDUCTORS.		MAXIMUM CURRENT		APPROX. LENGTH (feet plus return feet).	INSULATED WITH.	HOW PROTECTED.
		No. of Parallel Per Pole.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.			
MAIN GENERATOR ... .. No. 1 ...	30	1	37/.083	273	296	60	V.C.	L.C.A.B.
" " REGULATOR ... ..								
" " No. 2 ...	30	1	37/.083	273	296	80	V.C.	L.C.A.B.
EMERGENCY GENERATOR ... ..								
ROTARY TRANSFORMER: MOTOR ... ..								
" " GENERATOR ... ..								

[illegible]

WIRELESS ... (off sub. switchboard) ...	1	7/064	23	75	170	V.C.	L.C.
NAVIGATION LIGHTS ...	1	7/044	6	42	170	"	"
do. ...	1	7/044	-	42	120	"	" (L.O. in station)
ENGINE ROOM Ltg. DB. "E"	1	7/044	25	42	180	"	L.C.A.B.
" " " " "F"	1	7/044	23	42	30	"	"
AT Large Ltg. DB. "C"	1	7/029	2	15	120	"	"
AT Communication Ltg. DB. "A"	1	7/052	26	57	200	"	"
" " " " "B"	1	7/052	28	57	300	"	"
Midship Ltg. DB. "K" (off sub. switchboard)	1	7/044	18	42	105	"	L.C.
Mid Ltg. DB. "J" " "	1	7/029	8	15	310	"	L.C.A.B.
Rank Room Ltg. (off sub. switchboard)	(Distribution boxes mounted on sub. panel)						
Midship Ltg. " " "	"	"	"	"	"	"	"
Forward Ltg. " " "	"	"	"	"	"	"	"
Aft Midship Rm. " " "	"	"	"	"	"	"	"
Extra Standing " " "	1	7/036	8	28	120	V.C.	L.C.
Byro Ltg. " " "	1	7/044	16	42	40	"	"

[illegible]



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.

FURNERS SHIPBUILDING CO. LIMITED

Electrical Engineers

Date 7-7-44

#### COMPASSES.

Minimum distance between electric generators or motors and standard compass

15'

Minimum distance between electric generators or motors and steering compass

13'

The nearest cables to the compasses are as follows:—

A cable carrying  $\frac{1}{4}$  Ampères 7 feet from standard compass on the feet from steering compass.

A cable carrying  $\frac{1}{4}$  Ampères on the feet from standard compass 7 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.

FURNERS SHIPBUILDING CO. LIMITED

Builder's Signature

Date 7-7-44

Jas. M. Robertson

Is this installation a duplicate of a previous case

yes

If so, state name of vessel

S/S "Empire Bounty"

Plans. Are approved plans forwarded herewith

no

If not, state date of approval

28-9-43

Certificates. Are certificates of test for motors engaged on essential 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 in accordance with the approved plans and the Ministry of Shipping specification and amendments thereto. The materials used are of good quality and design and the workmanship is good. On completion the equipment was operated under load with satisfactory results and the insulation resistance of each circuit was measured and found good. This equipment is in my opinion suitable for a classed vessel.

Noted

L.Y.

20/7/44

Total Capacity of Generators (2x30) 60 Kilowatts.

The amount of Fee

£28.10.0

When applied for,

12-7-1944

Travelling Expenses (if any) £

When received.

19

Surveyor to Lloyd's Register of Shipping.

D.D. Kent

TUES. 25 JUL 1944

Committee's Minute

Assigned

see minute on 26 Apr.