

REPORT ON ELECTRICAL EQUIPMENT.

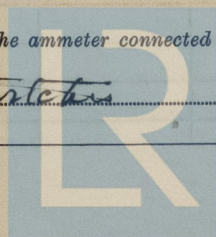
(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

20 AUG 1941

Received at London Office
HULL

Date of writing Report.....19..... When handed in at Local Office.....24 AUG 1941..... Port of.....
 No. in Survey held at.....Hessle..... Date, First Survey.....19.6.41..... Last Survey.....1.8.41.....
 Reg. Book.....
 on the M.V. "EMPIRE BANK" Tons { Gross.....402
 Net.....183
 Built at.....Hessle..... By whom built.....W. J. Scott & Co. Yard No.....417 When built.....1941-8
 Owners.....The Ministry of Shipping Port belonging to.....Hull.
 Electrical Installation fitted by.....H. J. Smith (Electrician) & Co. Contract No..... When fitted.....1941-8.
 Is vessel fitted for carrying Petroleum in bulk.....No Is vessel equipped with D.F.....No E.S.D.....No Gy.C.....No Sub.Sig.....No

Have plans been submitted and approved.....Yes System of Distribution.....Radial & constant pressure 2 wire Voltage of supply for Lighting.....110.
 Heating.....No Power.....No Direct or Alternating Current, Lighting.....D.C. Power.....No If Alternating Current state frequency.....No Prime Movers,
 has the governing been tested and found efficient when the whole load is suddenly thrown on and off.....Yes Are turbine emergency governors fitted with a
 trip switch as per Rule.....No Generators, are they compound wound.....Yes, are they level compounded under working conditions.....Yes,
 if not compound wound state distance between generators.....No and from switchboard.....No Where more than one generator is fitted are they
 arranged to run in parallel.....No, are shunt field regulators provided.....Yes Is the compound winding connected to the negative or positive pole
Negative Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing.....No Have certificates of
 test for machines under 100 kw. been supplied.....No and the results found as per rule.....No Are the lubricating arrangements and the construction
 of the generators as per rule.....Yes Position of Generators.....Engine room, port side.
 is the ventilation in way of generators satisfactory.....Yes are they clear of inflammable material.....Yes, if situated
 near unprotected combustible material state distance from same horizontally.....No and vertically.....No, are the generators protected from mechanical
 injury and damage from water, steam and oil.....Yes, are the bedplates and frames earthed.....Yes and the prime movers and generators in metallic
 contact.....Yes Switchboards, where are main switchboards placed.....Engine room, adjacent to generator,
 are they in accessible positions, free from inflammable gases and acid fumes.....Yes, are they protected from mechanical injury and damage from water, steam
 and oil.....Yes, if situated near unprotected combustible material state distance from same horizontally.....No and vertically.....No, what insulation
 material is used for the panels.....Sandwich, if of synthetic insulating material is it an Approved Type.....Yes, if of
 semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule.....No Is the frame effectually earthed.....Yes
 Is the construction as per Rule.....Yes, including accessibility of parts.....Yes, absence of fuses on the back of the board.....Yes, individual fuses
 to pilot and earth lamps, voltmeters, etc.,.....Yes locking of screws and nuts.....Yes, labelling of apparatus and fuses.....Yes, fuses on the "dead"
 side of switches.....Yes Description of Main Switchgear for each generator and arrangement of equaliser switches.....
 D.P. Switches & fuses
 and for each outgoing circuit.....D.P. Switches & fuses.
 Are compartments containing switchboards composed of fire-resisting material or lined as per Rule.....No Instruments on main switchboard.....One
 ammeters.....One voltmeters.....No synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the
 equaliser connection.....No Earth Testing, state means provided.....Earth lamps & test leads



are they of an approved type Y. If portable lamps for use in dangerous spaces are supplied, are they of a self-contained battery-operated lamp type Y. Spare Gear, if the vessel is for open sea service have spares been provided as per Rule Y, are they suitably stored in dry situations Y. Insulation Tests, has the insulation resistance of all circuits and apparatus been megger tested and found satisfactory Y.

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	One	5.9	110	54	1000	Paraffin kerosene	Paraffin	Above 180°
	One	8.0	fixed	3/27		Reconditioned by Dickinson	Bexley HEATON	
EMERGENCY								
ROTARY TRANSFORMER								

[illegible]

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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.

W.E. Plummer

Electrical Engineers.

Date

COMPASSES.

Minimum distance between electric generators or motors and standard compass

50 feet

Minimum distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

2 cables carrying ~~not more than~~ 1 Ampères 6 feet from standard compass 9 feet from steering compass.

A cable carrying Ampères feet from standard compass 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 degrees on course in the case of the steering compass.

W.E. Plummer

Builder's Signature.

Date

9/8/41

Is this installation a duplicate of a previous case

No

If so, state name of vessel

✓

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

This Electrical installation has been fitted on board under special survey in accordance with the approved plan, the Society's rules & the Specification. & when subjected to the tests prescribed in the rules & tried under working conditions it was found satisfactory in every respect.

W.E. Plummer
22/8/41

Total Capacity of Generators 6 Kilowatts.

The amount of Fee

£ 7 : 10 :

When applied for,

14 : 8 : 19 : 4

Travelling Expenses (if any)

£ :

When received,

19 :

Committee's Minute

FRI. 29 AUG 1941

Assigned

See 211 76 5/292

Dicky Hoffman
Surveyor to Lloyd's Register of Shipping.