

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. (Number of Visits.....)

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. H. H. Electrical Engineering Co Ltd** Contract No. When fitted **1941-8**

Is vessel fitted for carrying Petroleum in bulk **etc** Is vessel equipped with D.F. **etc** E.S.D. **etc** Gy.C. **etc** Sub.Sig. **etc**

Have plans been submitted and approved **Yes** System of Distribution **Parallel-constant pressure 2 wire** Voltage of supply for Lighting **110**

Heating..... Power..... Direct or Alternating Current, Lighting **D.C.** Power..... If Alternating Current state frequency..... 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..... Generators, are they compound wound **Yes**, are they level compounded under working conditions **Yes**,

if not compound wound state distance between generators..... and from switchboard..... Where more than one generator is fitted are they

arranged to run in parallel....., 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..... Have certificates of

test for machines under 100 kw. been supplied **See Note Cet C. 266** and the results found as per rule..... 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..... and vertically....., 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..... and vertically....., what insulation

material is used for the panels **Insulacyn**, 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..... 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.....

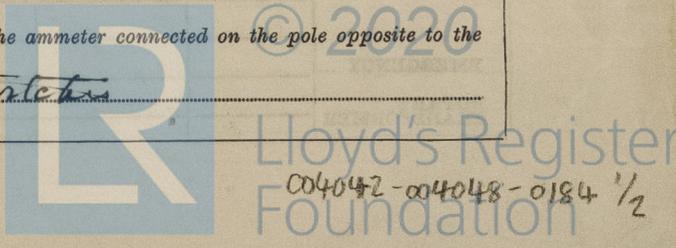
D.P. Switches & fuses

and for each outgoing circuit **D.P. Switches & fuses**

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule..... Instruments on main switchboard **One**

ammeters **One** voltmeters..... synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection..... Earth Testing, state means provided **Earth lamps & switches**



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.

Electrical Engineers.

Date

COMPASSES.

Minimum distance between electric generators or motors and standard compass

Minimum distance between electric generators or motors and steering compass

} 50 feet

The nearest cables to the compasses are as follows:—

2 cables carrying ^{Second End} ~~not more than~~ 1 Ampères 6 feet from standard compass 0 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 *Yr*

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

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.

THE HENRY BOARD LIMITED

Richard Kingston 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.

Make 7/4 12/8/41

Total Capacity of Generators *6* Kilowatts.

The amount of Fee ... £ *7:10* : *14:8:41* When applied for,
 Travelling Expenses (if any) £ : :19..... When received.

Dicky Hoffman
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 29 AUG 1941

Assigned

See Vol 76 51292

2m.10.38.—Transfer. (MADE IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)



© 2020

Lloyd's Register Foundation