

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 27 FEB 1942

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No. in Survey held at London Date, First Survey 29-12-41 Last Survey 29-1-1942
Reg. Book. (Number of Visits 2)

on the 3/4 "EMPIRE EXPLORER" Ex "INANDA" Tons { Gross..... Net.....

Built at..... By whom built..... Yard No..... When built.....

Owners Ministry of War Transport Port belonging to London

Electrical Installation fitted by Messrs Green & Silley Wield Contract No..... When fitted 1941

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 2 wire insulated Voltage of supply for Lighting.....

Heating..... Power..... Direct or Alternating Current, Lighting..... 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 No, are shunt field regulators provided Yes. Is the compound winding connected to the negative or positive pole

Posture..... 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 Yes and the results found as per rule Yes. Are the lubricating arrangements and the construction

of the generators as per rule Yes. Position of Generators Engine Room

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

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 Interchun, 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. main

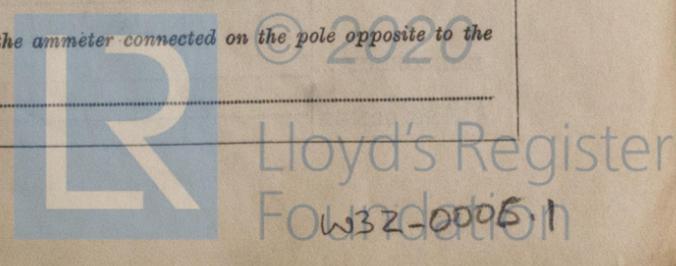
Switch and fuses

and for each outgoing circuit D.P. knife switch and D.P. fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule..... Instruments on main switchboard 2

ammeters 2 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



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.

Electrical Engineers. Date.....

COMPASSES.

Minimum distance between electric generators or motors and standard compass.....

Minimum distance between electric generators or motors and steering compass.....

The nearest cables to the compasses are as follows:—

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

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Have the compasses been adjusted with and without the electric installation at work at full power.....

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

The maximum deviation due to electric currents was found to be degrees on course in the case of the standard compass, and degrees on course in the case of the steering compass.

Builder's Signature. Date.....

Is this installation a duplicate of a previous case Yes. If so, state name of vessel "EMPIRE CHIVALRY"

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

The electrical installation has been renewed throughout as to cables fittings etc. The 30kw dynamo is the original machine fitted when the vessel was built. The 15kw dynamo set is a new machine by Clarke Chapman. The workmanship and materials used are sound and the installation was examined and tested under full load working conditions and found to be satisfactory. In my opinion the electrical installation is eligible for the notation X100A1 with date.

Total Capacity of Generators..... 45 Kilowatts.

The amount of Fee £	:	When applied for,19.....
Travelling Expenses (if any)	:	When received,19.....

See Rept.

H. B. Bunyan
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute.....

Assigned.....

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



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