

- 5 FEB 1943

Rpt. 13.

No. 51887.

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report.....19..... When handed in at Local Office.....19..... Port of.....

No. in Survey held at Selby & Hull Date, First Survey 14. 9. 42 Last Survey 12. 1. 1943
Reg. Book. (Number of Visits.....7.....)

on the Single screw ship EMPIRE DENIS Tons { Gross 242
Net.....

Built at Selby By whom built Cockrane & Sons Yard No. 1255 When built.....

Owners The Ministry of War Transport Port belonging to.....

Electrical Installation fitted by Wm Broadway & Son Contract No. When fitted 1942

Is vessel fitted for carrying Petroleum in bulk no Is vessel equipped with D.F. E.S.D. Gy.C. Sub.Sig.

Have plans been submitted and approved Yes System of Distribution two wire Voltage of supply for Lighting 110

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....., 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 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 Starboard side of engine room on platform

....., 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 Starboard side of engine room near funnels

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 Sindens, 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 Double pole quick

break knife, switches & double pole fuses

and for each outgoing circuit Double & single pole quick break knife switches & double

pole fuses.

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

ammeters..... 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 Lamps connected to earth via switches & fuses

[illegible][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.

WM BROADY & SON LTD.
ENGLISH STREET,
HULL.

Electrical Engineers.

Date 24-12-42.

COMPASSES.

Minimum distance between electric generators or motors and standard compass

75 ft.

Minimum distance between electric generators or motors and steering compass

70 ft.

The nearest cables to the compasses are as follows:—

A cable carrying .05 Ampères inside feet from standard compass 5 feet from steering compass.

A cable carrying .05 Ampères 5 feet from standard compass inside 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.

JOHN O'CONNOR & SONS, LTD.

Builder's Signature.

Date

V. Gray DIRECTOR

Is this installation a duplicate of a previous case

Yes

If so, state name of vessel

EMPIRE SAM

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

The electrical equipment of this vessel was installed under special survey and in accordance with the approved plans and with the specification. The materials used are of good quality and the workmanship is good. On completion the equipment was operated under working conditions with satisfactory results and the insulation resistance of all circuits and apparatus was measured and found good. This equipment is in my opinion suitable for a classed vessel.

Noted.

9/2/43.

Total Capacity of Generators 6 Kilowatts.

The amount of Fee ... £ 3 : 0 :

25% Spec

Travelling Expenses (if any) £

15

When applied for,

4 FEB 1943

When received.

19

W. H. Cornell

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 12 FEB 1943

Assigned

See Nil JE 51887



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