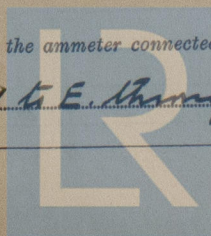


REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report 25th Oct 1940 When handed in at Local Office 31 OCT 1940 Port of SunderlandNo. in Survey held at Sunderland Date, First Survey 19th July Last Survey 25th Oct 1940
Reg. Book. Suppt. (Number of Visits.....)88054 on the M.V. "FULTALA" Tons { Gross... 525.1
Net... 282.8Built at Sunderland By whom built Tom Doxford & Sons, Ltd. Yard No. 664 When built 1940Owners British Overseas Airways Corp. Ltd. Port belonging to LondonElectrical Installation fitted by The Sunderland Eng. Co. Ltd. Contract No. 664 When fitted 1940Is vessel fitted for carrying Petroleum in bulk No Is vessel equipped with D.F. Yes E.S.D. No Gy.C. No Sub.Sig. NoHave plans been submitted and approved Yes System of Distribution Double wire Voltage of supply for Lighting 110Heating No Power 110 Direct or Alternating Current, Lighting Yes Power Yes 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 atrip 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 theyarranged to run in parallel No, are shunt field regulators provided Yes Is the compound winding connected to the negative or positive polenegative Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing No Have certificates oftest for machines under 100 kw. been supplied Yes and the results found as per rule Yes Are the lubricating arrangements and the constructionof the generators as per rule Yes Position of Generators Engine room starboard side forwardNo, is the ventilation in way of generators satisfactory Yes are they clear of inflammable material Yes, if situatednear unprotected combustible material state distance from same horizontally No and vertically No, are the generators protected from mechanicalinjury and damage from water, steam and oil Yes, are the bedplates and frames earthed Yes and the prime movers and generators in metalliccontact Yes Switchboards, where are main switchboards placed Engine room starboard side onforward bulkheadare they in accessible positions, free from inflammable gases and acid fumes Yes, are they protected from mechanical injury and damage from water, steamand oil Yes, if situated near unprotected combustible material state distance from same horizontally No and vertically No, what insulationmaterial is used for the panels Asbestos, if of synthetic insulating material is it an Approved Type No, if ofsemi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule Yes Is the frame effectually earthed YesIs the construction as per Rule Yes, including accessibility of parts Yes, absence of fuses on the back of the board Yes, individual fusesto 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 poleknife switch and double pole fuseand for each outgoing circuit Double pole double throw knife switch and doublepole fuseAre compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 2wammeters 2w voltmeters No synchronising devices No For compound machines in parallel is the ammeter connected on the pole opposite to theequaliser connection No Earth Testing, state means provided E. lamps coupled to E. through 2w. fuses

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W 39-0241(1/2)

situations. Yes Insulation Tests, has the insulation resistance of all circuits and apparatus been megger tested and found satisfactory. Yes

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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.

Mr. Sunderland Forge & Co. Ltd. Electrical Engineers. Date *26-10-1940*
A. J. Lunn

COMPASSES.

Minimum distance between electric generators or motors and standard compass *62 feet*

Minimum distance between electric generators or motors and steering compass *61 feet*

The nearest cables to the compasses are as follows:—

A cable carrying *1/2* Ampères *on the* feet from standard compass *8* feet from steering compass.

A cable carrying *1/2* Ampères *8* feet from standard compass *on the* 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.

WILLIAM DOXFORD & SONS, Limited.

Builder's Signature.

Date *29th Oct. 1940*

Director.

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.) *The electrical equipment of this vessel has been installed under special survey. The materials used and the workmanship are good. On completion the equipment was run under working conditions with satisfactory results and the insulation resistance of all circuits was measured and found good. This equipment is in my opinion suitable for a classed vessel.*

Notice

L. J.

7/11/40

Total Capacity of Generators *50* Kilowatts.

The amount of Fee ... £ *27 : 10* : *280 Oct 1940*

Travelling Expenses (if any) £ : : *30 Oct 1940*

Stanton

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 19 NOV 1940

Assigned

See Atd. T.C. 32996