

Rpt. 13.

No. 16,538

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

THU. JUN. 19 1924

Date of writing Report 18-6-1924 When handed in at Local Office 18-6-1924 Port of Bath

No. in Survey held at Burntisland Date, First Survey 27-3-24 Last Survey 9-6-1924
Reg. Book. 36030 on the S/S. "Uskbridge" (Number of Visits 6)Built at Burntisland By whom built Burntisland S. B. Co. Ltd and No. 121 When built 1923
Tons { Gross 2530
Net 1515

Owners H. & S. B. Co. Ltd (L. W. Jones & Co. mngrs) Port belonging to Newport (mon)

Electric Light Installation fitted by Messrs Moncrieff Bros Contract No. 121 When fitted 1924

System of Distribution

Double wire system ✓

Pressure of supply for Lighting 100 volts, Heating — volts, Power — volts.

Direct or Alternating Current, Lighting

Direct ✓

Power —

If alternating current system, state frequency of periods per second ✓

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off Yes ✓

Generators, do they comply with the requirements regarding overload Yes ✓, are they compound wound no

are they over compounded 5 per cent. —, if not compound wound state distance between each generator only 1 generator

Where more than one generator is fitted are they arranged to run in parallel —, is an adjustable regulating resistance fitted in

series with each shunt field Yes ✓

Are all terminals accessible and clearly marked Yes ✓, are they so spaced or shielded that they cannot be accidentally earthed,

or short circuited Yes ✓ Are the lubricating arrangements of the generators as per Rule Yes ✓

Position of Generators

Engine Room ✓

is the ventilation in way of the generators satisfactory Yes ✓, are they clear of all inflammable material Yes ✓

if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators

— and —, are the generators protected from mechanical injury and damage from water, steam or oil Yes ✓

are their axis of rotation fore and aft Yes ✓

Earthing, are the bedplates and frames of the generating plant efficiently earthed Yes ✓ are the prime movers and

their respective generators in metallic contact Yes ✓

Main Switch Boards, where placed 1 Switchboard mounted in Engine-Room ✓

If the generators and main switchboard are not placed in the same compartment, is each generator provided with a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard ✓

Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes Yes ✓

are they protected from mechanical injury and damage from water, steam or oil Yes ✓, if situated near unprotected

woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards no woodwork ✓

are they constructed wholly of durable, incombustible non-absorbent materials Yes ✓, is all insulation of high dielectric strength and of

permanently high insulation resistance Yes ✓, if semi-insulating material is used, are all conducting parts connected to one pole

insulated from the slab with mica or micanite and the slab similarly insulated from its framework Yes ✓, and is the

frame effectively earthed Yes ✓ Are the following fittings as per Rule, viz. :— spacing or shielding of live parts

Yes ✓, accessibility of all parts Yes ✓, absence of fuses on back of board Yes ✓, proportion of omnibus

bars Yes ✓, individual fuses to voltmeter, pilot or earth lamp Yes ✓, connections of switches Yes ✓

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches 1 generator

only, single pole switchgear for each outgoing circuit, no equalizer switches in use ✓

Instruments on main switchboard 2 Lamps 1 ammeters 1 voltmeters — synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system 2 earth lamps ✓

Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules Yes ✓

Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule Yes ✓

If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office.....

[illegible]

All Conductors are of annealed copper conforming to British Standard Specification No. 7.
The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
The foregoing is a correct description.

M^{rs} Monera H Bⁿ, Methil Electrical Engineers.

Date *14/6/24*

COMPASSES.

Distance between electric generators or motors and standard compass *18 ft*

Distance between electric generators or motors and steering compass *14 ft*

The nearest cables to the compasses are as follows:—

A cable carrying *8* Ampères *15* feet from standard compass *7* feet from steering compass.

A cable carrying *5* Ampères *16* feet from standard compass *8* 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 *ye*

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

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

[Signature]

Builder's Signature.

Date *17/6/24*

Is this installation a duplicate of a previous case *ye* If so, state name of vessel *St. Markhaven*

General Remarks (State quality of workmanship, opinions as to class, &c. *The installation has been*

well fitted & proved satisfactory on trial
It is recommended that a notation of electric light be
inserted in the Register Book

It is submitted that
this vessel is eligible for
THE RECORD *Elec light*
[Signature]
27/6/24

Total Capacity of Generators *6* Kilowatts

The amount of Fee ... £ *6* : - : When applied for, *18-6-1924*

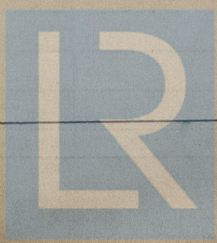
Travelling Expenses (if any) £ : : When received, *See [Signature]*

R. J. Easthope
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Imd. 22—Transfer.
(The Surveyor are requested not to write on or below the space for Committee's Minute.)



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