

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 1925

Date of writing Report 17/3/1925 When handed in at Local Office 19/3/1925 Port of Middlesbrough

No. in Survey held at HAVERTON HILL - ON-TEES Date, First Survey 10-2-25 Last Survey 5-3-1925
Reg. Book. (Number of Visits 6)90977 on the S. S. "TYNEBRIDGE" Tons { Gross 4442
Net 2778

Built at HAVERTON HILL - ON-TEES By whom built FURNESS SHIPBUILDING CO LD Yard No. 78 When built 1925

Owners MESSRS CROSBY MAGEE & CO LD Port belonging to WEST HARTLEPOOL

Electric Light Installation fitted by FURNESS SHIPBUILDING CO LD Contract No. 78 When fitted 1925

System of Distribution DOUBLE WIRE INSULATED ✓

Pressure of supply for Lighting 110 ✓ 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 YES

are they over compounded 5 per cent. LEVEL, if not compound wound state distance between each 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 STARBOARD SIDE OF 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 STARBOARD SIDE OF ENGINE ROOM ON AFT BULKHEAD

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 - and -

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 DOUBLE POLE SWITCH

& FUSES FOR GENERATOR & EACH OUTGOING CIRCUIT. (REMOVABLE PORCELAIN FUSES)

Instruments on main switchboard 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 TWO 16 C.P. LAMPS IN

SERIES & MIDDLE POINT EARTHED, CONNECTED TO EACH BUS-BAR BY MEANS OF SWITCH & FUSE

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



© 2020

Lloyd's Register
Foundation

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.

FAP FURNESS SHIPBUILDING CO. LIMITED

P. S. Glover

Electrical Engineers.

Date 15th MARCH 1925

COMPASSES.

Distance between electric generators or motors and standard compass 140'

Distance between electric generators or motors and steering compass 135'

The nearest cables to the compasses are as follows:—

A cable carrying 6 Ampères 14 feet from standard compass 14 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 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 All course in the case of the standard compass, and Nil degrees on All course in the case of the steering compass.

FOR FURNESS SHIPBUILDING CO. LIMITED.

J. M. Governor

Builder's Signature.

Date 18th March 25

Director

Is this installation a duplicate of a previous case NO If so, state name of vessel ✓

General Remarks (State quality of workmanship, opinions as to class, &c.)

This installation has been fitted in accordance with the Rules, is of good material and workmanship and on completion was examined under full working conditions and found satisfactory.

It is submitted that this vessel is eligible for THE RECORD. Elec. light.

J. W. Roberts
23/3/25

Total Capacity of Generators 8 1/2 Kilowatts

The amount of Fee ... £ 8 : 10 : { When applied for, 19.3.1925

Travelling Expenses (if any) £ : : { When received, 20.3.1925

W. Roberts

Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES. 24 MAR 1925

Assigned

Elec Lt

5c, 12, 13.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



© 2020

Lloyd's Register Foundation