

Rpt. 13.

No. 83093

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

3 AUG 1928

Received at London Office

1.8.28

10

Port of

NEWCASTLE-ON-TYNE

Date of writing Report

10

When handed in at Local Office

Date, First Survey

1<sup>st</sup> March

Last Survey

20<sup>th</sup> July

1928

No. in Survey held at

Newcastle.

Reg. Book, Supp.

66228. on the

M. V. "British Honour"

Tons

Gross 6950

Net 4080

Built at

Newcastle.

By whom built

Palmer &amp; Co. Ltd.

Yard No.

970

When built

1928

Owners

British Tankers Co. Ltd.

Port belonging to

London

Electric Light Installation fitted by

Palmer &amp; Co. Ltd.

Contract No.

970

When fitted

1928.

System of Distribution

Double wire

volts, Power

110

volts.

Pressure of supply for Lighting

110

volts, Heating

Power

Direct

Direct or Alternating Current, Lighting

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.

Yes.

, if not compound wound state distance between each generator

Where more than one generator is fitted are they arranged to run in parallel

Yes.

, 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

Position of Generators

Engine room starboard side

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

Engine room starboard side

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

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

frame effectively earthed

Yes

Are the following fittings as per Rule, viz.:— spacing or shielding of live parts

, accessibility of all parts

Yes

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

fitted to each main generator with overload &amp; reverse current coils. Double pole switch &amp; fuses on each outgoing circuit

Instruments on main switchboard

5

ammeters

4

volts

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

to earth through switches &amp; fuses.

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.



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Lloyd's Register Foundation



... are in dangerous situations, are they of a type approved by the Home Office

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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.

 *W. J. Pomeroy* Electrical Engineers. Date *31/7/28*

#### COMPASSES.

Distance between electric generators or motors and standard compass *212 feet.*

Distance between electric generators or motors and steering compass *205 feet.*

The nearest cables to the compasses are as follows:—

A cable carrying *.28* Amperes *on the* feet from standard compass *7* feet from steering compass.

A cable carrying *.28* Amperes *7* feet from standard compass *on the* feet from steering compass.

A cable carrying Amperes 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.

*PALMER'S SHIPBUILDING*

*George S. Williamson* Builder's Signature. Date

*SHIPYARD MANAGER*

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.)

*The above installation is in accordance with the Society's Rules. The vessel is eligible in my opinion for notation elec light wireless*

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

*W. H. 10/8/28.*

Total Capacity of Generators *140* Kilowatts

The amount of Fee ... £ *33 : 10* When applied for, *27 AUG 1928*

Travelling Expenses (if any) £ : : When received, *29.8.28*

*W. T. Badger*  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUES. 14 AUG 1928

Assigned *Elec Light*

Im. 9.21.—Transfer.  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)