

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

WED. JUL

21924

Date of writing Report

19

When handed in at Local Office

14/6/1924

Port of NEWCASTLE-ON-TYNE.

No. in Survey held at *Newcastle.*Date, First Survey *19<sup>th</sup> May*Last Survey *10<sup>th</sup> June*19 *24*Reg. Book, *Supp.*Number of Visits *2*38558 on the *Cordene.*Tons { Gross *2345*Net *1322*Built at *Newcastle.*By whom built *Luan Hunter & Wyham Richardson Ltd*Hard No. *1229* When built *1924*Owners *Cory Balliers Ltd*Port belonging to *London*Electric Light Installation fitted by *Luan Hunter & Wyham Richardson Ltd* Contract No. *1229* When fitted *1924*

## System of Distribution

*Double wire system*

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.

*yes*

, if not compound wound state distance between each generator

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

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

*In 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

*In engine room fitted on platform*

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*

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 with double pole fuses for dynamo mains**Single pole switch with double pole fuses for each outgoing circuits*

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

*Earth lamps**coupled to earth through switches & 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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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.

For  
SWAN. HUNTER. & WIGHAM RICHARDSON. LTD.

Electrical Engineers.

Date 23<sup>rd</sup> June 1924

#### COMPASSES.

Distance between electric generators or motors and standard compass

100 feet

Distance between electric generators or motors and steering compass

98 feet

The nearest cables to the compasses are as follows:—

A cable carrying 28 Amperes on the ~~port~~ standard compass 5 feet from steering compass.

A cable carrying 5 Amperes 3 feet from standard compass 3 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 *each* course in the case of the standard compass, and *nil* degrees on *each* course in the case of the steering compass.

For  
SWAN. HUNTER & WIGHAM RICHARDSON. LTD.

Builder's Signature.

Date 23<sup>rd</sup> June 24

*Asplington*

Is this installation a duplicate of a previous case *yes* If so, state name of vessel *Corduff*

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.

*CMS* *W.D.*  
3/7/24

Total Capacity of Generators 5.0 Kilowatts

The amount of Fee ... £ 5 : : When applied for, 24 JUN 1924

Travelling Expenses (if any) £ : : When received, 30/6/24

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

Committee's Minute FRI 4 JUL 1924

Assigned *Elec Lt*

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



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