

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

WED JUL 2 1924

Date of writing Report 20.6.24 When handed in at Local Office 30.6.24 Port of GLASGOW

No. in Survey held at DALMOIR Date, First Survey 12.6.24 Last Survey 18.6.24  
Reg. Book. 38557 on the S.S. "CONCHITA" (Number of Visits 2) 2702Built at DALMOIR By whom built W<sup>m</sup> BEARDMORE & CO Card No. 633 Tons { Gross 2500  
Net 1481

Owners ANGLO SAXON PETROLEUM CO Port belonging to

Electric Light Installation fitted by MESSRS W<sup>m</sup> BEARDMORE & CO Contract No. 633 When fitted 1924

System of Distribution 2 WIRE D.C. ✓

Pressure of supply for Lighting 110 VOLTS ✓ volts, Heating - volts, Power 110 VOLTS volts.

Direct or Alternating Current, Lighting D.C. ✓ Power D.C.

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. , 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 ENGINE ROOM STARBOARD

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

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 - 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

D.P. SWITCHES AND D.P. FUSES

Instruments on main switchboard 250V ammeters 250V 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

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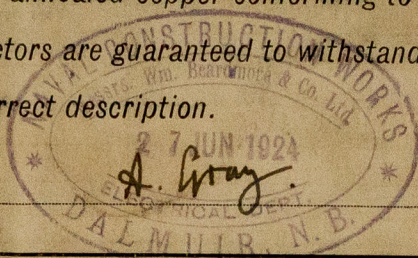
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If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office .....



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.



Electrical Engineers.

Date

27/6/24

#### COMPASSES.

Distance between electric generators or motors and standard compass 150 ft

Distance between electric generators or motors and steering compass 148 ft

The nearest cables to the compasses are as follows:—

A cable carrying 7 Amperes 12 feet from standard compass 12 feet from steering compass.

A cable carrying 5 Amperes 10 feet from standard compass 10 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 any course in the case of the standard compass, and nil degrees on any course in the case of the steering compass.

FOR WILLIAM BEARDMORE & CO., LIMITED

A. Campbell

Builder's Signature.

Date

27/6/24

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 on board under special survey. Tested under full working conditions and found satisfactory. The workmanship was found to be good and sound.

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

CMS JWD 4/7/24

Total Capacity of Generators 8 Kilowatts

The amount of Fee £8.0.0

When applied for,

20/6/24

Travelling Expenses (if any) £

When received,

See debit book

J. S. Rankin

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW

-1 JUL 1924

Assigned

Elec. Light

WJM

Im. 9.22.—Transfer.  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

a.b.  
30/6/24



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