

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

8 DEC 1924

Date of writing Report

19

When handed in at Local Office

25/11/24

Port of

NEWCASTLE-ON-TYNE.

No. in Survey held at Newcastle.Date, First Survey 31<sup>st</sup> Oct.Last Survey 24<sup>th</sup> Nov 1924Reg. Book. 2(Number of Visits 7)YY150 on the MelaniaTons { Gross 5824Net 3437Built at StocktonBy whom built Graig Taylor & Co LtdYard No. —When built 1914Owners Anglo Saxon Petroleum Co. LtdPort belonging to LondonElectric Light Installation fitted by Smiths Dock Co (North Shields).Contract No. —When refitted 1924

System of Distribution

Double wire system ✓

Pressure of supply for Lighting

105 ✓

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

, is an adjustable regulating resistance fitted in

series with each shunt field

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 on after platform ✓

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 on after 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 ✓

, 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 partsyes ✓

, absence of fuses on back of board

NO see ltr 15/12/24

, proportion of omnibus

bars yes ✓, individual fuses to voltmeters, pilot or earth lampyes ✓

, connections of switches

yes ✓Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches. Double poleswitches & fuses on all circuits ✓

Instruments on main switchboard

one ✓

ammeters

one ✓

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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Lloyd's Register

UK 0104(H2)



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.

OR SMITH'S DOCK COMPANY, LTD.

*R. S. Saxton*  
General Manager

Electrical Engineers.

Date

*Dec 2nd 1924*

#### COMPASSES.

Distance between electric generators or motors and standard compass *280 feet* ✓

Distance between electric generators or motors and steering compass *260 feet* ✓

The nearest cables to the compasses are as follows:—

A cable carrying *.26* ✓ Ampères *on the* ~~feet from~~ standard compass *7* ✓ feet from steering compass.

A cable carrying *.28* ✓ Ampères *7* ✓ feet from standard compass *on the* ~~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 \_\_\_\_\_

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

Builder's Signature.

Date

Is this installation a duplicate of a previous case \_\_\_\_\_ 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 electrical installation has been completely renewed & the vessel is eligible in my opinion to remain as classed with record of elec. light*

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

*W. T. Badger  
9/12/24*

Total Capacity of Generators *11.5* Kilowatts

The amount of Fee ... £ *3 : 3* :

When applied for,

*-6 DEC 1924*

When received,

*See debit book.*

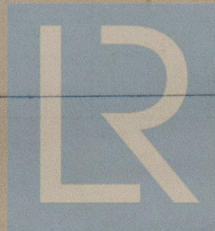
*W. T. Badger*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute \_\_\_\_\_

Assigned \_\_\_\_\_

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



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