

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report

19

When handed in at Local Office

2/2/1924

Port of

NEWCASTLE ON TYNE

FEB. 1924

No. in Survey held at South Shields

Date, First Survey 21st Nov. 1923 Last Survey 14th Jan 1924

Reg. Book, Supp.

(Number of Visits)

40652 on the Queenmoot

Tons { Gross 6386

Net

Built at South Shields

By whom built J. Readhead & Sons Ltd

Yard No. 473

When built 1924

Owners Ineos Fine Ltd.

Port belonging to

London

Electric Light Installation fitted by Clarke Chapman & Co. Ltd

Contract No. 473. When fitted 1924

System of Distribution Double wire system

Pressure of supply for Lighting 100 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? 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

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 on forward bulkhead of engine room

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

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

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches double pole switch

fuses on dynamo mains, single pole switch + double pole fuses on each outgoing circuit

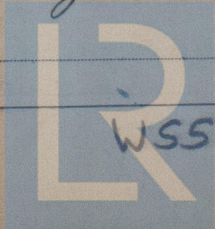
Instruments on main switchboard 1 ammeters 1 voltmeters ———— synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system The earth lamps

connected to earth through double pole fuses + switches

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



© 2021

WS57-0009 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.

for Clarke, Chapman & Co., Ltd.
W. Woodeson
Director.

Electrical Engineers.

Date 23. 1. 24

COMPASSES.

Distance between electric generators or motors and standard compass 90 ft

Distance between electric generators or motors and steering compass 84 "

The nearest cables to the compasses are as follows :—

A cable carrying .5 Amperes, 12 feet from standard compass, 6 feet from steering compass.

A cable carrying .5 Amperes, 6 feet from standard compass, 12 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.

For JOHN READHEAD & SONS, LIMITED.

John Readhead Builder's Signature.
CHAIRMAN & MANAGING DIRECTOR

Date 28/1/24

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.)

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.T.
6/2/24

Total Capacity of Generators 12.5 Kilowatts

The amount of Fee ... £ 12 : 10 : { When applied for, 23/1/23

Travelling Expenses (if any) £ : : { When received, See debit book.

W.T. Badger.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Im. 922.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



© 2021

Lloyd's Register
Foundation