

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

22 JAN 1927

Date of writing Report 18-1-1927 When handed in at Local Office 20-1-1927 Port of Aberdeen

No. in Survey held at Aberdeen Date, First Survey 13-12-26 Last Survey 17-1-1927
Reg. Book. (Number of Visits, 3)

on the S.S. "ENNISKILLEN"

Tons { Gross 354.69
Net 143.17

Built at Aberdeen By whom built J. Lewis & Sons Ltd. Yard No. 97. When built 1926

Owners John Kelly Ltd. Port belonging to Belfast.

Electric Light Installation fitted by J. Lewis & Sons Ltd. Contract No. When fitted 1926.

System of Distribution

Two wire.

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

Generators, do they comply with the requirements regarding overload

are they compound wound

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

Are all terminals accessible and clearly marked

are they so spaced or shielded that they cannot be accidentally earthed,

or short circuited

Are the lubricating arrangements of the generators as per Rule

Position of Generators

Is the ventilation in way of the generators satisfactory

are they clear of all inflammable material

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

Are their axis of rotation fore and aft

Earthing, are the bedplates and frames of the generating plant efficiently earthed

are the prime movers and

their respective generators in metallic contact

Main Switch Boards, where placed

Engine room near dynamo.

If the generators and main switchboard are not placed in the same compartment, is each generator provided with

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

are they protected from mechanical injury and damage from water, steam or oil

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

is all insulation of high dielectric strength and of

permanently high insulation resistance

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

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

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

Main generator:-

Double pole switch & double pole fuses.

Double pole switch & fuses on each outgoing circuit.

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 2 Earth lamps.

Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules

yes

Construction and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule

yes



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WS17-0261

If portable lamps for use in dangerous spaces are supplied, 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.

JOHN LEWIS & SONS Ltd.

Electrical Engineers.

Date 18th January 1927.

COMPASSES.

Distance between electric generators or motors and standard compass 44 ft.

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying 4 Ampères to feet from standard compass feet from steering compass.

A cable carrying Ampères feet from standard compass 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 no degrees on any course in the case of the standard compass, and degrees on course in the case of the steering compass.

JOHN LEWIS & SONS Ltd.

C. Wilson

SHIPYARD MANAGER

Builder's Signature.

Date 18/1/27.

Is this installation a duplicate of a previous case. yes If so, state name of vessel Fermanagh.

General Remarks (State quality of workmanship, opinions as to class, &c.)

The electrical installation of this vessel has been fitted on board under special survey, tried under working conditions, & found good. It is eligible in my opinion to have the record "Electric Light".

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

Total Capacity of Generators One Kilowatts

The amount of Fee ... £ 5 : - : When applied for, 19

Travelling Expenses (if any) £ : : When received, 5.5.27

P. Fitzgibbon

Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES. 25 JAN 1927

FRI. 11 MAR 1927

Assigned

Elec. Light



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