

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

15 NOV 1924

Date of writing Report 14-11-1924 When handed in at Local Office 14-11-1924 Port of Hull

No. in Survey held at Goole & Hull Date, First Survey 3.9.24 Last Survey 29-9-1924
Reg. Book.

88240 on the S.S. "CYRILLE DANNEELS."

Tons { Gross
Net

Built at Goole By whom built Goole S.B. & Ryg Co Ltd. Yard No. 257. When built 1924

Owners Buck Steam Shipping & Coal Exporters Ltd. belonging to Goole

Electric Light Installation fitted by G. C. Reed & Co, Sunderland. Contract No. When fitted 1924

System of Distribution

Double Wire ✓

Pressure of supply for Lighting 110 ✓ volts, Heating nil ✓ volts, Power nil ✓ 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 Bottom Platform, 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 2 feet ✓ and —, are the generators protected from mechanical injury and damage from water, steam or oil No ✓

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 On forward Store Bulkhead in Engine Room Bottom Platform Starboard Side ✓

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 Same Compartment ✓

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 No ✓, if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards 9" ✓ and —

are they constructed wholly of durable, incombustible non-absorbent materials No ✓, 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 (Sunderland Forge) ✓, and is the frame effectively earthed No ✓

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. Quick Break Main Switch S.P. ditto Circuit Switches
No equalizer Switch.

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

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
Foundation

W 472-0130 (1/27)

All Conductors are of annealed copper conforming to British Standard Specification No. 7.

Yes.

The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.

The foregoing is a correct description.

G. H. Reed

Electrical Engineers.

Date Nov. 4th 1924.

COMPASSES.

Distance between electric generators or motors and standard compass about 60 feet.

Distance between electric generators or motors and steering compass about 60 feet.

The nearest cables to the compasses are as follows:—

A cable carrying 56 Ampères at 6 ft. feet from standard compass led into 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. Yes.

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.

OR THE GOOLE SHIPBUILDING & REPAIRING CO. LTD.

A. T. Briggs

Builder's Signature.

Date Nov 13/24.

Director.

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 electrical installation of this vessel has been fitted on board under special survey, tried under working conditions, & found in good order. The materials & workmanship are good. The vessel is eligible in my opinion to have record of electric light.

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

17/11/24

Total Capacity of Generators 5 Kilowatts

The amount of Fee ... £ 5 : -

Travelling Expenses (if any) £ :

When applied for,

14/11/24

When received,

15/11/24

P. Fitzgerald

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned