

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

DEC 30 1939

Received at London Office.....

Date of writing Report 19th Dec, 1939 When handed in at Local Office 28 DEC 1939 Port of Sunderland
 No. in Survey held at Sunderland Date, First Survey 17th Nov Last Survey 18th Dec, 1939
 Reg. Book. Suppl. (Number of Visits..... 6)
40811 on the M.V. "RODSLEY" Tons {Gross... 5000
 Net... 3014

Built at Sunderland By whom built Wm Doxford & Co. Ltd. Yard No. 654 When built 1939

Owners Thomson Shipping Co. Ltd. Port belonging to Kewville

Electrical Installation fitted by The Sunderland Eng. & Ry. Co. Ltd. Contract No. 654 When fitted 1939

Is vessel fitted for carrying Petroleum in bulk Yes Is vessel equipped with D.F. Yes E.S.D. Yes Gy.C. Yes Sub.Sig. Yes

Have plans been submitted and approved Yes System of Distribution Domestic wire Voltage of supply for Lighting 110

Heating Yes Power 110 Direct Yes Alternating Current, Lighting Yes Power Yes If Alternating Current state frequency Prime Movers,

has the governing been tested and found efficient when the whole load is suddenly thrown on and off Yes Are turbine emergency governors fitted with a

trip switch as per Rule Yes Generators, are they compound wound Yes, are they level compounded under working conditions Yes,

if not compound wound state distance between generators Yes and from switchboard Yes Where more than one generator is fitted are they

arranged to run in parallel Yes, are shunt field regulators provided Yes Is the compound winding connected to the negative or positive pole

Positive Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing Yes Have certificates of

test for machines under 100 kw. been supplied Yes and the results found as per rule Yes Are the lubricating arrangements and the construction

of the generators as per rule Yes Position of Generators Engine room starboard side at

forward end, is the ventilation in way of generators satisfactory Yes are they clear of inflammable material Yes, if situated

near unprotected combustible material state distance from same horizontally Yes and vertically Yes, are the generators protected from mechanical

injury and damage from water, steam and oil Yes, are the bedplates and frames earthed Yes and the prime movers and generators in metallic

contact Yes Switchboards, where are main switchboards placed Engine room starboard side on

forward bulkhead near generators

are they in accessible positions, free from inflammable gases and acid fumes Yes, are they protected from mechanical injury and damage from water, steam

and oil Yes, if situated near unprotected combustible material state distance from same horizontally Yes and vertically Yes, what insulation

material is used for the panels Slate, if of synthetic insulating material is it an Approved Type Yes, if of

semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule Yes Is the frame effectually earthed Yes

Is the construction as per Rule Yes, including accessibility of parts Yes, absence of fuses on the back of the board Yes, individual fuses

to pilot and earth lamps, voltmeters, etc., Yes locking of screws and nuts Yes, labelling of apparatus and fuses Yes, fuses on the "dead"

side of switches Yes Description of Main Switchgear for each generator and arrangement of equaliser switches Simple pole

Knife switch and fuse on each pole

and for each outgoing circuit Simple pole double throw knife switch and fuse

on each pole

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 2w

ammeters One voltmeters Yes synchronising devices Yes For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection Yes Earth Testing, state means provided 2 lamps connected G.S. through bus fuses

The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.
All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.
The foregoing is a correct description.

New Sunderland Forge and Lath.

Electrical Engineers.

Date *21-12-1939*

H. V. Gurney.

COMPASSES.

Minimum distance between electric generators or motors and standard compass *59 feet*

Minimum distance between electric generators or motors and steering compass *52 feet*

The nearest cables to the compasses are as follows:—

A cable carrying *.14* Ampères *on the* feet from standard compass *7* feet from steering compass.

A cable carrying *.14* 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 *Yes*

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

WILLIAM DOXFORD & SONS, Limited.

Builder's Signature.

Date *27.12.39*

H. V. Gurney Director

Is this installation a duplicate of a previous case *No* If so, state name of vessel

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.) *The electrical*

equipment of this vessel has been installed under special survey. The materials used and the workmanship are good. On completion the equipment was run under working conditions, the governing, regulation and compensating of the generating sets were tested, the insulation resistances of all circuits were measured and the spare gear was checked. The electrical equipment is in my opinion suitable for a classed vessel.

W. J. H.
4/1/40.

Total Capacity of Generators *32* Kilowatts.

The amount of Fee ... £ *22 : 10* : When applied for, *27 DEC 1939*

Travelling Expenses (if any) £ : : When received, *1/1/40*

S. J. H.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

See Id. 76 32769

FRI 12 JAN 1940



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