

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office. DEC 18 1939

Date of writing Report. 9th Dec '39 When handed in at Local Office. 16/12/1939 Port of West Hartlepool

No. in Survey held at West Hartlepool Date, First Survey 8th Sept, Last Survey 8th Dec, 1939
Reg. Book. Suppl. (Number of Visits. 2)38923 on the S.S. 'ELMDENE' Tons { Gross 4853.20
Net 2875.07

Built at West Hartlepool By whom built Wm Gray & Co. Ltd. Yard No. 1095 When built 1939

Owners Elmdene Shipping Co. Ltd. Port belonging to London

Electrical Installation fitted by Wm Gray & Co. Ltd. Contract No. 1095 When fitted 1939

Is vessel fitted for carrying Petroleum in bulk No Is vessel equipped with D.F. No E.S.D. No Gy.C. No Sub.Sig. No

Have plans been submitted and approved No System of Distribution Double wire Voltage of supply for Lighting 110

Heating 110 Power 110 Direct or Alternating Current, Lighting No Power No 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 No Are turbine emergency governors fitted with a

trip switch as per Rule. Generators, are they compound wound No, are they level compounded under working conditions No,

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

arranged to run in parallel No, are shunt field regulators provided No 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. Have certificates of

test for machines under 100 kw. been supplied No and the results found as per rule No Are the lubricating arrangements and the construction

of the generators as per rule No Position of Generators Engine room starboard side

forward. is the ventilation in way of generators satisfactory No are they clear of inflammable material No, if situated

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

injury and damage from water, steam and oil No, are the bedplates and frames earthed No and the prime movers and generators in metallic

contact No Switchboards, where are main switchboards placed Engine room starboard side

forward on raised platform near generators

are they in accessible positions, free from inflammable gases and acid fumes No, are they protected from mechanical injury and damage from water, steam

and oil No, if situated near unprotected combustible material state distance from same horizontally. and vertically. what insulation

material is used for the panels Sincap, if of synthetic insulating material is it an Approved Type No, if of

semi-insulating material (stone or marble) are all conducting parts insulated therefrom as per Rule. Is the frame effectually earthed No

Is the construction as per Rule No, including accessibility of parts No, absence of fuses on the back of the board No, individual fuses

to pilot and earth lamps, voltmeters, etc. No locking of screws and nuts No, labelling of apparatus and fuses No, fuses on the "dead"

side of switches No Description of Main Switchgear for each generator and arrangement of equaliser switches Double pole

Knife switch and fuse on each pole

and for each outgoing circuit Single pole double throw Knife switch and

fuse on each pole

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule. Instruments on main switchboard Two

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

equaliser connection. Earth Testing, state means provided 2 lamps connected to 2 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.

Thos. S. Simpson

Electrical Engineers.

Date *13th Dec. 1939*

COMPASSES.

Minimum distance between electric generators or motors and standard compass *98 feet*

Minimum distance between electric generators or motors and steering compass *104 feet*

The nearest cables to the compasses are as follows:—

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

A cable carrying *.14* Ampères *7* feet from standard compass *on the* ~~foot 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 *his* degrees on *Every* course in the case of the standard compass, and *his* degrees on *Every* course in the case of the steering compass.

Thos. S. Simpson

Builder's Signature.

Date *13th Dec. 1939*

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 governing sets were tested, the insulation resistance of all circuits was measured and the spare gear was checked. This equipment is in my opinion suitable for a classed vessel.

Noted
19/12/39

Total Capacity of Generators *17.5* Kilowatts.

The amount of Fee ... £ *16 : 10* : { When applied for, *11.12.19.39*
Travelling Expenses (if any) £ : : { When received, *13/11/40*

Santison

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 29 DEC 1939

Assigned

See Hpl. FE 17991



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