

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

- 8 SEP 1939

Received at London Office

Date of writing Report... 30th Aug. 39 When handed in at Local Office... 6/9/1939 Port of... West Hartlepool
 No. in Survey held at... West Hartlepool Date, First Survey... 9th June Last Survey... 30th Aug. 1939
 Reg. Book. Supp. (Number of Visits... 10)
 38025 on the S.S. "ATLANTIC" Tons {Gross... 5414.07
 Net... 3244.90

Built at... West Hartlepool By whom built... Tom Bray & Co. Ltd. Yard No. 1094 When built... 1939

Owners... Sir W. H. Cockburn Port belonging to... Hull

Electrical Installation fitted by... Tom Bray & Co. Ltd. Contract No. 1094 When fitted... 1939

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

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

Heating... Power... 110 Direct or 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... Generators, are they compound wound... Yes, are they level compounded under working conditions... Yes

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... 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... 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 up

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... and vertically... 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

after bulkhead new generation

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... and vertically... what insulation

material is used for the panels... Slate, if of synthetic insulating material is it an Approved Type... 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... Double pole knife

switch and double pole fuse

and for each outgoing circuit... Single pole knife switch and double pole fuse

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule... 011 Instruments on main switchboard... One

ammeters... One 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 coupled to 2 through wire & 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.

FOR WILLIAM GRAY & CO. LIMITED;
Wm. S. Simpson

William Gray & Co. Ltd., West Ham, London E16

GENERAL MANAGER

Electrical Engineers.

Date 2nd Sept. 1939

COMPASSES.

Minimum distance between electric generators or motors and standard compass 125 feet

Minimum distance between electric generators or motors and steering compass 125 feet

The nearest cables to the compasses are as follows:—

A cable carrying 14 Amperes 9 feet from standard compass 9 feet from steering compass.

A cable carrying 14 Amperes 9 feet from standard compass on the 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 1/2 degrees on all course in the case of the standard compass, and 1/2 degrees on all course in the case of the steering compass.

Builder's Signature.

Date 31st Aug 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 examined and tested under working conditions. The generator engine governor was tested, the regulation and compensating of the generator was checked, the insulation resistances of all circuits was measured and the open gear was checked. The electrical equipment is in my opinion suitable for a classed vessel.

Noted

13/9/39

Total Capacity of Generators 10 Kilowatts.

The amount of Fee ... £ 10 : - : When applied for, 19....

Travelling Expenses (if any) £ : : When received, 14/10/39

Bantison

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

15 SEP 1939

See H/Ls J.E. 17969



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