

Rpt. 13.

No. 98746

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

SEP -3 1940

Date of writing Report.....19..... When handed in at Local Office.....29/7/40..... Port of.....Newcastle-on-Tyne.....

No. in Survey held at.....Walker..... Date, First Survey.....13 June..... Last Survey.....18 July 1940.....
Reg. Book,..... (Number of Visits.....8.....)..... on the.....S.S. ECEABAT..... Tons { Gross.....691
Net.....265

Built at.....Walker..... By whom built.....Swan Hunter & Wigham Richardson..... No.....1662..... When built.....1940.....

Owners.....Turkish Government..... Port belonging to.....Istanbul.....

Electrical Installation fitted by.....Clarke Chapman & Co. Ltd..... Contract No.....1662..... When fitted.....1940.....

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

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

Heating.....Power.....Direct or Alternating Current, Lighting.....Direct..... Power.....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.....

....., 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.....

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.....Ebony Sindanyo....., 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.....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

quick break Knife switch and double pole fuses.....

and for each outgoing circuit.....Double pole quick break Knife switches and double pole fuses.....

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule.....Yes..... 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.....Earth lamps coupled to earth via switches & fuses.....

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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 Clarke, Chapman & Co., Ltd.

W. H. Chapman Director

Electrical Engineers.

Date 19-7-40

COMPASSES.

Minimum distance between electric generators or motors and standard compass.....

80'

Minimum distance between electric generators or motors and steering compass.....

70'

The nearest cables to the compasses are as follows:—

A cable carrying .14 Ampères - feet from standard compass inside feet from steering compass.

A cable carrying 4 Ampères 10 feet from standard compass 5 feet from steering compass.

A cable carrying .14 Ampères inside 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 7.1 degrees on Every course in the case of the

standard compass, and 7.1 degrees on Every course in the case of the steering compass.

Builder's Signature.

Date

25 July 1940

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 was installed under Special Survey. The workmanship employed and materials used are good. The governing regulation and compounding of the generator set were tested, and the insulation resistance of each circuit measured and found satisfactory. In my opinion the installation is suitable for a classed vessel.

Noted

10/9/40

Total Capacity of Generators..... 10 Kilowatts.

The amount of Fee ... £ 10 : 0 :

When applied for,

131 AUG 1940

Travelling Expenses (if any) £ :

When received,

12 Sept 1940

Surveyor to Lloyd's Register of Shipping.

Committee's Minute.....

Assigned.....

See minute on

FE made report



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