

Rpt. 13.

No. 17012

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

16 SEP. 1926

Received at London Office

Date of writing Report 16 SEP. 1926 When handed in at Local Office

Port of HAMBURG

No. in Survey held at

TIEL

Date, First Survey 8th JuneLast Survey 28th August. 1926

Reg. Book.

on the Steel Twin S.S.V. "CALLIOPE"

(Number of Visits 2)

Tons { Gross 8744
Net 5026

Built at

TIEL

By whom built

HOWALDTSWERKE

Yard No. 675

When built 1926

Owners HALL'SCH AMERIK. PETROL. TRPG. m. b. H. Port belonging to

DANZIG

Electric Light Installation fitted by

SCHINAG - HAMBURG

Contract No.

When fitted 1926

System of Distribution 2 wire - 2 conductor insulated with separate conductors - except small cables.

Pressure of supply for Lighting 110 volts, Heating 110 volts, Power 220 volts.

Direct or Alternating Current, Lighting Direct Current Power Direct Current

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 rating 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 No, is an adjustable regulating resistance fitted in series with each shunt field Yes

Are all terminals accessible, clearly marked, and furnished with sockets Yes, are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Yes

Are the lubricating arrangements of the generators as per Rule Yes

Position of Generators Engine room Port Side aft - steam driven emergency set in auxiliary engine room. Satisfactory

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

and are the generators protected from mechanical injury and damage from water, steam or oil Yes

are their axes of rotation fore and aft Yes, with the exception of steam driven emergency set.

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 Engine room cylinder platform aft - steam driven emergency set in auxiliary engine room.

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 Yes

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 Yes, if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards

are they constructed wholly of durable, non-ignitable non-absorbent materials Yes, is all insulation of high dielectric strength and of permanently high insulation resistance Yes, if semi-insulating material is used, are all conducting parts insulated from the slab with mica or micaite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework

and is the frame effectively earthed Yes

Are the fittings as per Rule regarding: - spacing or shielding of live parts Yes, proportion of omnibus bars Yes, accessibility of all parts Yes, absence of fuses on back of board Yes, connections of switches Yes

individual fuses to voltmeter, pilot or earth lamp Yes

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches For each generator: 4 fuses on each pole and a double pole link switch - For each circuit: 4 fuses on each pole and a single pole change-over switch on one pole.

Instruments on main switchboard 8 ammeters 4 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 2 Ohmmeters.

Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules. Yes

Joint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule. Yes



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Foundation

All Conductors are of annealed copper conforming to British Standard Specification No. 7.
The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
The foregoing is a correct description.

Schiffs-Installation Aktiengesellschaft
Zweigniederlassung Hamburg

i.v. Raschew

Electrical Engineers.

Date 10/9/26

COMPASSES.

Distance between electric generators or motors and standard compass 68 m.

Distance between electric generators or motors and steering compass 68 m.

The nearest cables to the compasses are as follows:—

A cable carrying 0.5 Amperes close to feet from standard compass close to feet from steering compass.

A cable carrying 1 Amperes 1 foot from standard compass 1 foot from steering compass.

A cable carrying 1 Amperes 1 foot from standard compass 1 foot 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 *1* course in the case of the standard compass, and *nil* degrees on *0* course in the case of the steering compass.

HOWALDTSWERKE

f. v. Bahr

Builder's Signature.

Date 10/9/26

Is this installation a duplicate of a previous case *yes* If so, state name of vessel *"TARLIA" - "UCRAINIA"*

General Remarks (State quality of workmanship, opinions as to class, &c.)

Workmanship and material of this

Electric Installation are of good quality. As the conductors used are of the "German Standard" the Society's Rules respecting conductors have been applied generally. The installation has been built and fitted under Special Survey in accordance with the approved plan, the Secretary's letter and otherwise in conformity with the requirements of the Rules and is eligible in my opinion for record ELECT. LIGHT.

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

Total Capacity of Generators *440* Kilowatts.

The amount of Fee ... £ *42:10* : { When applied for, *25/8/1926*
Travelling Expenses (if any) £ : : { When received, *19*

Friedrich Hill
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned