

Rpt. 13.

No. 106

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 2nd March 1951. When handed in at Local Office 19 Port of Bremen

No. in Survey held at Vegesack Date, First Survey 1-6 Last Survey 21.8 19 50
Reg. Book. (No. of Visits 6)

52061 on the M.T. "ATALANTA"

Tons { Gross 9683 9854
Net 5621 5651

Built at Gothenburg By whom built Eriksberg M.V. Aktieb. Yard No. When built 1930/9

Owners Rederi A/B Dalan Port belonging to Gothenburg

Installation fitted by AEG Schiffbau When fitted 1950

Is vessel equipped for carrying Petroleum in bulk. yes Is vessel equipped with D.F. yes E.S.D. yes Gy.C. yes Sub.Sig. - Radar yes

Plans, have they been submitted and approved. yes System of Distribution two wire D.C. Voltage of Lighting 115

Heating 220 Power 220 D.C. or A.C., Lighting DC Power DC If A.C. state frequency -

Prime Movers, has the governing been found as per Rule when full load is thrown on and off. yes Are turbine emergency governors fitted with a trip switch. - Generators, are they compound wound. yes, and level compounded under working conditions. yes, if not compound wound state distance between generators. - and from switchboard. - Are the generators arranged to run in parallel. yes, are shunt field regulators provided. yes Is the compound winding connected to the negative or positive pole negative pole 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

Position of Generators main engine room aft (See Gen. Arrgt. Plan of Mch).

is the ventilation in way of generators satisfactory. yes are they clear of inflammable material and protected from mechanical injury and damage from water, steam and oil. yes Switchboards, where are main switchboards placed. main engine room port side

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water, steam and oil. yes, what insulation is used for the panels. craft paper for fuse boards, 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 construction as per Rule, including locking of screws and nuts. yes Description of Main Switchgear for each generator and arrangement of equaliser switches. 3 pole air break C/Breakers with over-current & reverse current protection

and the switch and fuse gear (or circuit breakers) for each outgoing circuit. d.p. switches and fuses on each pole

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule. yes Instruments on main switchboard. 6 ammeters. 4 voltmeters. - synchronising devices. For compound machines in parallel are the ammeters and reversed current protection devices connected on the pole opposite to the equaliser connection. yes Earth Testing, state means provided. two metal filament lamps

Switches, Circuit Breakers and Fuses, are they as per Rule. yes, are the fuses an Approved Type. yes, make of fuses. yes, are all fuses labelled. yes If circuit breakers are provided for the generators, at what overload do they operate. 650 Amp. and at what current do the reversed current protective devices operate. 60 Amp.

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule. yes

Cables, are they insulated and protected as per Rule. yes, if otherwise than as per Rule are they of an Approved Type. yes, state maximum fall of pressure between bus bars and any point under maximum load. 5% are the ends of all cables having a sectional area of 0.01 square inch and above provided with soldering sockets. yes Are all paper insulated and varnished cambric insulated cables sealed at the ends. - Are all the cable runs in accessible positions, not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical damage. yes, are any cables laid under machines or floorplates. no, if so, are they adequately protected. - Are cables in machinery spaces, galleys, laundries, etc., lead covered. yes or run in conduit. -

or of the "HR" type. - State how the cables are supported or protected. cables on cable-racks or sheet iron plates

Chipped as per Rules. In conduit on fore and aft gangway.

Are all lead sheaths, armouring and conduits effectually bonded and earthed. yes Are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands. yes, where unarmoured cables pass through beams, etc., are the holes effectively bushed. yes Refrigerated chambers, are the cables and fittings as per Rule. yes

~~24 V. battery for engine room~~

Secondary Batteries, are they constructed and fitted as per Rule yes, are they adequately ventilated yes

Fitting caps on all fittings on weather decks, in stowholds and engine rooms and wherever exposed to drip or condensed moisture, weatherproof..... **yes**

Are any fittings installed where readily combustible materials or inflammable or explosive dust or gases are likely to be present.....

and where are the controlling switches fitted in midship accommodation passage. Are all fittings suitably ventilated. yes

Heating and Cooling is the general construction as per Rule.....yes, are the frames effectually earthed.....yes, are heaters in the

accommodation of the convection type..... Motors, are all motors constructed and installed as per Rule and placed in well-ventilated

Any motors coupled to oil fuel transfer and pressure pumps capable of being stopped from a position accessible in the event of fire in the pump

XX. Certificate of test for motors under 100 BHP intended for essential sea services been supplied and the results found as per Rule.....

Slip ☐ Lubricating Oil having a Flash Point less than 150° F. Have all the special requirements of the Rules for such ships been

complied with.....yes, are all fuses of an Approved Cartridge Type....., make of.....

E.S.D., if fitted state maker location of transmitter **yes**

Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory.....

PARTICULARS OF GENERATING PLANT.

TRANSIT	TIME	ALTITUDE	TEMPERATURE	WIND	WEATHER	REMARKS

GENERATOR CABLES.

[illegible]

MAIN DISTRIBUTION CABLES (to Section Boards, Distribution Fuse Boards, etc.).

LIGHTING, HEATING, WIRELESS, NAVIGATION LIGHTS, ETC., CABLES.

MOTOR CABLES.

[illegible]

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.

ALLGEMEINE ELEKTRICITÄTS-GESELLSCHAFT
AG

Electrical Contractors.

Date

COMPASSES.

Have the compasses been adjusted under working conditions. yes

Builder's Signature.

Date

Have the foregoing descriptions and schedules been verified and found correct.

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

Plans. Are approved plans forwarded herewith - If not, state date of approval 31.1.51

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith

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

The electrical installation fitted in this ship has been installed under the supervision of the
Surveyor in accordance with the Rule requirements or their equivalent and the approved plans.
It was tested under full working conditions and found satisfactory.
The materials and workmanship are good.

Noted 26/4/51

Total Capacity of Generators 214 Kilowatts.

The amount of Fee ... £

When applied for,

19

When received,

19

Travelling Expenses (if any) £

Surveyor to Lloyd's Register of Shipping.

TUES. 22 MAY 1951

Committee's Minute

Assigned

See memo 2939