

Report on Electrical Equipment.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

9-APR 1952

Received at London Office

Date of writing Report 20th March 1952. When handed in at Local Office 4.4. 1952. Port of Gothenburg

Survey held at Gothenburg Date, First Survey 7th Jan. 1952 Last Survey 13th March 1952. (Number of Visits 18.)

No. in Reg. Book. 36242 on the Single Screw Motor Tanker "ASTRID ONSTAD" Tons {Gross 14685 Net 8673

Built at Gothenburg By whom built Aktiebolaget Götaverken Yard No. 660 When built 1952

Owners Rederi Aktiebolaget Monacus Port belonging to Kungsbacka

Electrical Installation fitted by Aktiebolaget Götaverken Gen. Nos. 2716065 2769042/3 When fitted 1952

Is vessel fitted for carrying Petroleum in bulk Yes Is vessel equipped with D. F. Yes E. S. D. Yes Gy. C. Yes Radar ~~XXXXXX~~ Yes

Have plans been submitted and approved Yes System of Distribution 2 wire Voltage of supply for Lighting 220 & 110

Heating 220 Power 220 Direct or Alternating Current, Lighting DC Power DC 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 Yes are shunt field regulators provided Yes Is the compound winding connected to the negative or positive pole

Negative 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 Are the lubricating arrangements and the construction

of the generators as per rule Yes Position of Generators 2 on port and 1 on starboard side of the engine room floor.

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 On a platform on port side of the engine room.

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 Mica 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 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 A double pole linked circuit

breaker with overload and reversed current trips and a single pole equaliser switch interlocked with the circuit

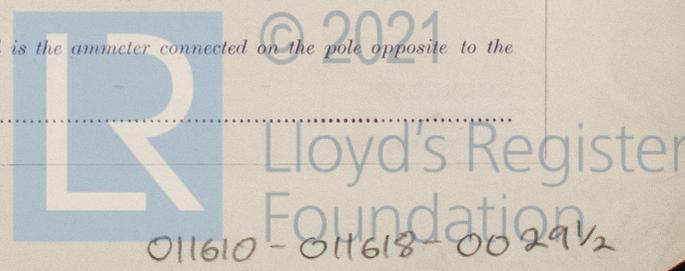
breaker as per Rule.

and for each outgoing circuit A double pole switch and a fuse on each pole.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 8

ammeters 5 voltmeters synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection Yes Earth Testing, state means provided 2 Ohm-metres.



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.

AKTIEBOLAGET GÖTAVERKEN

Nils Bransson

Electrical Engineers. Date 24th March 1952.

COMPASSES.

Minimum distance between electric generators or motors and standard compass 12 feet

Minimum distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying 2 Ampères 9 feet from standard compass 9 feet from steering compass.

A cable carrying 13 Ampères 12 feet from standard compass 12 feet 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 0 degrees on every course in the case of the standard compass, and degrees on course in the case of the steering compass.

AKTIEBOLAGET GÖTAVERKEN

Nils Bransson

Builder's Signature. Date 24th March 1952.

Is this installation a duplicate of a previous case Yes If so, state name of vessel M/T Margaret Onstad, Got.F.E. Rpt. No. 18385.

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

This electrical equipment has been fitted in accordance with the Rules and approved plans. The workmanship and materials are good. The generators have been inspected by the Stockholm Surveyors during construction and testing, and test sheets for the generators and motors intended for essential survivors are being forwarded.

The installation has been magger tested throughout, examined under full working power and found satisfactory.

Noted OK 28-4-52

Total Capacity of Generators 510 Kilowatts.

The amount of Fee	Got. a/c 4/5	Kr. 1550:--	When applied for, 4.4. 52
	Skm a/c 1/5	390:--	
Travelling Expenses (if any)	Kr. 56:--		When received 19.

Qu. Seising
W. J. J. J. J.
 Surveyor to Lloyd's Register of Shipping.

FRI. 2 MAY 1952

Committee's Minute

Assigned *See F.E. mch. rpt.*

The Surveyors are requested not to write on or below the space for Committee's Minute.

