

Rpt. 13.

No. 23962.

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

GOTHENBURG.

Date of writing Report 5/3 19 58. When handed in at Local Office 22/3 19 58. Port of

No. in Survey held at GOTHENBURG. Date, First Survey 19/12-57. Last Survey 11/3 19 58.
Reg. Book. (No. of Visits 26.)

6/42573 on the M/S "MELINE" Tons Gross 13,405 Net 7,898

Built at Gothenburg. By whom built A.-B. Götaverken Yard No. 716 When built 3-1958.

Owners A/S Tanktransport Port belonging to Tönsberg.

Installation fitted by A.-B. Götaverken, Gothenburg. When fitted 3-1958.

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 3-phase installed. Voltage of Lighting 110

Heating 110 & 220 Power 440 D.C. or A.C., Lighting A.C. Power A.C. If A.C. state frequency 60 c/s

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 Yes. Generators, are they compound wound ---, and level compounded under working conditions ---

Are the generators arranged to run in parallel Yes. Is the compound winding connected to the negative or positive pole ---

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing Yes. Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule Yes. Position of Generators 2x565 KVA on a platform

starboard side of Engine Room; 1x235 KVA on starboard side of ER floor forward.

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 On the same platform as

565 KVA generators, viz:- Platform starboard side of Engine Room.

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 Dead front switchboard, 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 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 circuit breaker with overload, reverse and under voltage release. 3-pole hand operated isolating switch, double pole field excitation circuit breaker with fault release.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit 3-pole switch and triple pole fuses.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes. Instruments on main switchboard 34.

ammeters 7 voltmeters 1 synchronising devices. For compound machines in parallel are the ammeters and reverse current protection devices connected on the pole opposite to the equaliser connection --- Earth Testing, state means provided Ohm-meter.

Preference Tripping, state if provided ---, and tested ---

Switches, Circuit Breakers and Fuses, are they as per Rule Yes. are the fuses an Approved Type Yes.

make of fuses ASEA, are all fuses labelled Yes. If circuit breakers are provided for the generators, at what overload do they operate 15-20%

devices operate 10 % Cables, are they insulated and protected as per Rule Yes.

if otherwise than as per Rule are they of an Approved Type ---, state maximum fall of pressure between bus bars and any point under maximum load Below Rule permit volts. 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 Yes. if so, are they adequately protected Yes. State

type of cables (if in conduit this should also be stated) in machinery spaces LC&A or steel wire braided cables LC & A, LC & SWB and laundries LC & SWB State how the cables are supported or protected Supported by metal clips. All

power cables LC & A or LC & SWB. Lighting cables in accommodation etc. LC & PVC even where drawn behind panels.

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.

Have refrigeration fan motors been constructed under survey --- and test certificates supplied ---

Are the motors accessible for maintenance at all times ---

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

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 Jönsson

Electrical Contractors.

Date 13th March, 1958

COMPASSES.

Have the compasses been adjusted under working conditions.

AKTIEBOLAGET GÖTAVERKEN

Nils Jönsson

Builder's Signature.

Date 13th March, 1958

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

Is this installation a duplicate of a previous case No. If so, state name of vessel ---

Plans. Are approved plans forwarded herewith No. If not, state date of approval Gothenburg 6.12.57.

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

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

This electric installation has been fitted in accordance with the Rules and approved plans, under my inspection and to my satisfaction.

The workmanship and material used are good.

Generators and the motor above 100 BHP have been built under Special Survey as per certificates attached.

NOTE:-

Part of the survey carried out at the Builder's request by B. Jönsson on Saturday 22nd February, 1958, between 15³⁰ and 17³⁰.

Total Capacity of Generators 1365 KVA

The amount of Fee (Got) ..K£.	2:800:-	When applied for,
(Sk) Kr.	700:-	22/3 19 58.
Late Fee (Got) Kr.	70:-	
(Sk) Kr.		When received,
Travelling Expenses (if any) K£.	16:-	19

Nils Jönsson
Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUESDAY - 6 MAY 1958

Assigned See Rpt. 1.



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