

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 120 JAN 1958

Date of writing Report 18/1 1958 When handed in at Local Office 18/1 1958 Port of MALMÖ

No. in Survey held at Sölvesborg Date, First Survey 23/10 1957 Last Survey 10/1 1958

Reg. Book. (No. of Visits 14)

42194 on the M/S "OTELIA"

Built at Sölvesborg By whom built Sölvesborgs Varvs- & Rederi Yard No. 49 When built 1958

Owners Rederi AB Svenska Lloyd Port belonging to AB. Gothenburg

Installation fitted by Sölvesborgs Varvs- & Rederi AB When fitted 1958

Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. Yes E.S.D. Yes Gy.C. No Sub.Sig. No Radar No

Plans, have they been submitted and approved Yes System of Distribution Two wire Voltage of Lighting 220

Heating 220 Power 220 D.C. or A.C., Lighting D.C. Power D.C. 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 - Except belt driven by M.E. Yes

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

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

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing None Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule Yes

Position of Generators Main:- 1 - Port side.

1 - Stbd. side fwd. 1 - Stbd. side aft.

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 Port side in E.R.

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 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 C.B. with O/C trip in two poles R/C and U/V trips and O/C perf. relay. Third pole used for equalizer.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit D.P. knife and D.P. fuse.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 5

ammeters 5 voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reverse current protection devices connected on the pole opposite to the equaliser connection Yes

Earth Testing, state means provided

Ohm meters Preference Tripping, state if provided No and tested -

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

make of fuses ASEA & A.E.G. are all fuses labelled Yes If circuit breakers are provided for the generators, at what overload do they operate 10% set at 50%

and at what current do the reverse current protective devices operate 10% R/C

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 < 6% 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 No if so, are they adequately protected -

State type of cables (if in conduit this should also be stated) in machinery spaces L.C. galleys L.C. and laundries

State how the cables are supported or protected L.C. and armoured cables clipped to surface plate or tray in engine space, tween decks and decks and covered with steel channel plates at hatchway openings in tween deck. L.C. cables clipped to surface or wood grounds in accommodations.

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 None 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.

SÖLVESBORG VARVS- & BREDER A-B.

B. Clarue

Electrical Contractors.

Date

17/1-58

COMPASSES.

Have the compasses been adjusted under working conditions. Yes

SÖLVESBORG VARVS- & BREDER A-B.

B. Clarue

Builder's Signature.

Date

17/1-58

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. Appr. London 24.6.57.

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.)

The above described electrical equipment installation has been fitted onboard in accordance with the Rules, approved plans and instructions and has been tested with satisfactory results.

The workmanship and materials are good.

This electrical equipment installation is, in my opinion, suitable for a classed vessel.

Total Capacity of Generators 152 Kilowatts.

The amount of Fee ... £ Kr. 1.340: When applied for,

18/1 19 58.

When received,

19.

Travelling Expenses (if any) £ : -- :

Surveyor to Lloyd's Register of Shipping.

L. Jönning

TUESDAY 18 FEB 1958

Committee's Minute

Assigned. See Rpt. 1.