

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 26/6 1958. When handed in at Local Office 19 Port of Stockholm
No. in Survey held at Norrköping Date, First Survey 27.11.57 Last Survey 10.4 19 58.
Reg. Book. (No. of Visits 17)
42388 on the m/s "CECILIA FALKLAND" Tons { Gross 3211
Net 1612
Built at Norrköping By whom built Norrköpings Varv & Verkstad Yard No. 158 When built 1958
Owners Rederi A/B Wallen Port belonging to Helsingborg
Installation fitted by ASEA, of Norrköping When fitted 1957-58

Is vessel equipped for carrying Petroleum in bulk No 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 x 440 V Voltage of Lighting 115

Heating 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.~~ Generators ~~are they compounded wound~~ 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 Yes

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 Starboard Side in Engine Room

Forward and aft and port side 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 platform on port side

in engine room.

Is it Yes 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 Plating material, Dead front 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 Yes 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 Triple-pole linked circuit-breaker with overcurrent trips in each phase and reverse power relays.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit A triple pole linked switch and a fuse in each phase.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 19

ammeters 7 voltmeters 1 + 3 set of lamps. 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 One Ohm-meter + changeover switch Preference Tripping, state if provided Yes and tested Yes

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

make of fuses A.S.E.A. are all fuses labelled Yes If circuit breakers are provided for the generators, at what overload do they operate 110% and at what current do the reverse current protective devices operate 14% 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 2.5 volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends None fitted

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 FDJF, FDEF & FDKL galleys FDKL & FDEF and laundries FDKL State how the cables are supported or protected Clipped to cable trays or structures, and where necessary protected with lead bushings, plate-trunks or steel pipes.

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 provision only

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

Are the motors accessible for maintenance at all times Yes

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

[illegible][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.

ALLMÄNNAN SVENSKA ELEKTRESKA AKTIEBOLAGET
FILIALEN NORRKÖPING

Electrical Contractors.

Date 19.6.58

FILIALCHEF

COMPASSES.

Have the compasses been adjusted under working conditions. Yes

AB Norrköpings Varv & Verkstad

Builder's Signature.

Date

19/6-58

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. 26.4.57 and 12.4.58 and Sec. letter dated 22.5.57.

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

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

The electric equipment of this vessel has been installed under Special Survey in accordance with the Society's Rules and approved plans. The complete installation has been tested under various working conditions to my satisfaction, and insulation resistance measured and found good.

The material and workmanship are of a good and high standard.

Total Capacity of Generators 578 KVA Kilowatts.

The amount of Fee ... Kr. 2.260:--

When applied for,

26/6 19 58.

When received,

19

Travelling Expenses (if any) £

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUESDAY 19 AUG 1958

Assigned

See 4b



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Lloyd's Register
Foundation