

30 AUG 1960

Rpt. 13.

No. 26079.

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 19/8 19 60 When handed in at Local Office 26/8 19 60 Port of Gothenburg

No. in Survey held at Åmål Date, First Survey 23/5 Last Survey 13/7 19 60. Reg. Book. (No. of Visits 8)

on the Car Ferry "R O S P I G G E N" Tons Gross 345 Net 108

Built at Åmål By whom built A-B. Åsi-Verken Yard No. 54 When built 1960

Owners Rederi Grisslehamn - Åland Port belonging to Grisslehamn

Installation fitted by Karl Frödéns Elektriska, Åmål When fitted 1960

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

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

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

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing. --- Have certificates of test for machines

under 100 kw. been supplied and the results found as per Rule. Yes Position of Generators Aux. generator - Forward

stbd. in Engine Room, Shaft driven generator - Adjacent to port forward main engine; Em. generator - In funnel

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 - Port side of engine

Room main engine level. Emergency - Aft end of saloon, upper deck.

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 rubber, 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. Double pole change-over switch with fuses.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Main switchboard - Double pole change-over switch

with fuses. Emergency switchboard - Double pole switches with fuses.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule. Yes Instruments on main switchboard 2

ammeters 2 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. --- Earth Testing, state means provided Earth

lamps 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 IFÖ, are all fuses labelled. Yes If circuit breakers are provided for the generators, at what

overload do they operate. ---, and at what current do the reverse current protective-

devices operate. --- 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 2.2 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 or wire braid. galleys Lead covered, wire braid.

and laundries. --- State how the cables are supported or protected. Mains, LC & A cables clipped to

girder and perforate plate Machinery space: LC & A cables clipped to perforated tray, Accomodation: LC, PVC sheathed

cables clipped to woodwork.

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. ---

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

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





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.

PROFENS ELEKTRISKA

KARL FREDÉN

*Karl Fredén*

11403 / 59

Electrical Contractors.

Date

22/8 1960

COMPASSES.

Have the compasses been adjusted under working conditions. Yes.

Akilebolaget Asvetan

Builder's Signature.

Date

25.8.60.

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. Got. 4th July, 1960.

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 electrical equipment has been fitted in the ship under my inspection and to my satisfaction and has been tested and found to work satisfactorily.

The workmanship and material are good and the Rule requirements have been complied with.

Note:-

At the Builders' request survey was carried out by the undersigned on Tuesday the 12th July, 1960, between 20<sup>00</sup> - 21<sup>00</sup>.

Total Capacity of Generators 63 Kilowatts.

The amount of Fee ... Kr. 710:- : When applied for, 26/8 19 60

Spec. att. fee:- Kr. 70:-

Travelling Expenses (if any) £ --- : When received, --- 19 ---

Surveyor to Lloyd's Register of Shipping.

*J. C. ...*

Committee's Minute

FRIDAY 30 SEP 1960

Assigned

See Rpt. 1

500,656 - Transfer. (MADE AND PRINTED IN ENGLAND) (The Surveyors are regulated not to write on or below the space for Committee Minutes.)

47 (80) 7.9.60



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