

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

8 - FEB 1956

Received at London Office

Date of writing Report 6/2 19 56 When handed in at Local Office Stockholm Port of Stockholm  
 No. in Survey held at Gävle Date, First Survey 8.9.55. Last Survey 1.12 1955.  
 Reg. Book. (No. of Visits 7)  
34594 on the Steel Single Scree Trawler "TRAVERZ" Tons { Gross 688  
 Net 225  
 Built at Gävle By whom built AB Gävle Varv Yard No. 90 When built 1955  
 Owners U.S.S.R. Port belonging to Murmansk  
 Installation fitted by AB Electro-Armatur, Gävle When fitted 1955  
 Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. No E.S.D. Yes Gy.C. Yes Sub.Sig. No Radar No

Plans, have they been submitted and approved Yes System of Distribution Two wire Voltage of Lighting 110  
 Heating - Power 110 D.C. or A.C., Lighting DC Power DC 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 Yes 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 fitted Have certificates of test for machines  
 under 100 kw. been supplied and the results found as per Rule Yes Position of Generators  
On platform in engine room, starboard side.  
 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 is main switchboard placed  
On platform in engine room, starboard side.  
 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 Bakelite, steatite & mica (steel front) 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 Triple pole circuit breaker with overload and reverse current  
protection. Third pole for equaliser connection.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole knife switch and double pole fuse

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 Yes Earth Testing, state means provided Voltmeter  
 calibrated as ohmmeter - 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, IFÖ (Diazed), are all fuses labelled Yes If circuit breakers are provided for the generators, at what  
 overload do they operate 200 amps., and at what current do the reverse current protective  
 devices operate 25 amps. 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 4 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 Lead alloy sheathed, and armoured  
galleys  
 and laundries - State how the cables are supported or protected in machinery spaces, on deck and in  
holds: Lead alloy sheathed and armoured cables clipped to bulkheads or steel plates.  
in accomodation: Lead alloy sheathed cables clipped to bulkheads or run in conduit.

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 -



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



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.

A.-B. ELEKTRO-ARMATUR

Electrical Contractors.

Date 17 Jan. 1956

#### COMPASSES.

Have the compasses been adjusted under working conditions..... Yes

Aktöbolaget Gävle Varv

Builder's Signature.

Date 18.1.56

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

Is this installation a duplicate of a previous case..... Yes If so, state name of vessel "CHIRCHIK", "PELENG", "KURS",  
"WOLGA", "VOLNA"

Plans. Are approved plans forwarded herewith..... No If not, state date of approval 29.7.54. 4.10.54. 18.10.54.

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

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.) The electrical equipment of this vessel has been fitted in accordance with the approved plans and the Rule requirements.

The workmanship and materials are good.

Total Capacity of Generators..... 36 Kilowatts.

The amount of Fee ... £r. 590:-- :

When applied for,  
6/2 19.56

When received,

Travelling Expenses (if any) £ : : 19.

Surveyor to Lloyd's Register of Shipping.

FRIDAY 16 MAR 1956

Committee's Minute.....

Assigned See Rpt. 4.



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Foundation