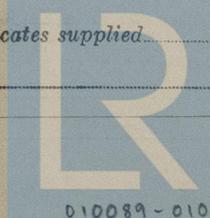


REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

3 JUL 1959

Date of writing Report MAY 28, 1959 19... When handed in at Local Office JUN - 8, 1959 Port of KobeNo. in Survey held at Mukaishima, Japan Date, First Survey 2th Feb., 1959 Last Survey 27, Apr. 1959
Reg. Book. (No. of Visits 15)on the Steel Single Screw Motor Fishing Boat "DNEPR" Tons Gross 497.10
Net 162.01Built at Mukaishima, Japan By whom built Hitachi S.B. & E. Co., Ltd.
Mukaishima Shipyard Yard No. 3872 When built 1959-4 Mo.Owners V.O. Sudoimport, Moscow, U.S.S.R. Port belonging to VladivostokInstallation fitted by Hitachi S.B. & E. Co., Ltd., Mukaishima Shipyard When fitted 1959-4 Mo.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 YesPlans, have they been submitted and approved Yes System of Distribution Two Wire with D.C. Voltage of Lighting 220Heating 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 YesAre the generators arranged to run in parallel Yes Is the compound winding connected to the negative or positive pole NegativeHave 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 Port and Starboard Fwd. on engine room flatis 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 Main Engine Roomare 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 Phenol resin, 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 For each 75 K.W. Generator; 1- 3 pole Air Circuit Breaker (400A) with 409A Trip and 1- 3 pole Knife Seitch (400A)and the switch and fuse gear (or circuit breakers) for each outgoing circuit 4-200A, 4-100A, 9-60A, and 19-30A Double pole Knife switches with 3-200A, 1-125A, 4-100A, 3-60A, 5-50A 1-40A, 6-30A, 4-20A and 9-15A fusesAre compartments containing switchboards composed of fire-resisting material Yes 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 1, Tungsten filament lamp 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 Hitachi S.B. & E.Co., Ltd. Type TH are all fuses labelled Yes If circuit breakers are provided for the generators, at what overload do they operate 50%, and at what current do the reverse current protective devices operate 40 A Cables, are they insulated and protected as per Rule -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 3.7 volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends YesAre 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 Sheathed & Steel Braided, galleys Lead Sheathed & Steel Braided and laundries Lead Sheathed & Steel Braided State how the cables are supported or protected Groups of cable are supported on metal hanger and or backed by perforated steel plate. Lead through steel pipe on deck and through conduit in refrigerating chambers.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 YesHave refrigeration fan motors been constructed under survey None and test certificates supplied -Are the motors accessible for maintenance at all times Yes

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Lloyd's Register
Foundation

010089-010095-01643

2/6
7/7/59

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.

K. Sasaki
K. Sasaki

Electrical Contractors.

Date 30th April, 1959

Under-Director, Head of Yard

Hitachi Shipbuilding & Engineering Co., Ltd.
Mukaishima Shipyard.

COMPASSES.

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

K. Sasaki
K. Sasaki

Builder's Signature.

Date 30th April, 1959

Under-Director, Head of Yard
Hitachi Shipbuilding & Engineering Co., Ltd.
Mukaishima Shipyard.

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..... Kob 6th Jan., 1959

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 Electrical Installation of this ship has been constructed under Special Survey in accordance with the Rules, Approved plans and Secretary's letters.

The material and workmanship are satisfactory.

The generators and motors etc. have been examined under full loading conditions to Rules requirements and found satisfactory.

Total Capacity of Generators 150 Kilowatts.

The amount of Fee ...	£ 86.445.	When applied for,	19.....
Old Scale: 90%	9.675.	When received,	19.....
New Scale: 10%	¥ 96.120.		

Travelling Expenses (if any) £

Y. Hashiguchi
Surveyor to Lloyd's Register of Shipping.

FRIDAY 24 JUL 1959

Committee's Minute.....

Assigned.....

See Rpt. 1.