

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

of writing Report. JUN 23 1959 19 When handed in at Local Office JUL - 3 1959 19 Port of Kobe

in Survey held at Mukaishima, Japan Date, First Survey 16th Feb., 1959 Last Survey 4th June 59  
(No. of Visits 15)

on the Steel Single Screw Motor Fishing Boat "DNESTR" Tons Gross 497.10 Net 162.01

at Mukaishima, Japan By whom built Hitachi S.B. & E. Co., Ltd. Yard No. 3873 When built 1959-6  
Mers. V.O. Sudoimport, Moscow, U.S.S.R. Port belonging to Vladivostok

Installation fitted by Hitachi S.B. & E. Co., Ltd., Mukaishima Shipyard When fitted

essel 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 Yes

s, have they been submitted and approved. Yes System of Distribution Two Wire with D.C. Voltage of Lighting 220

ating 220 Power 220 D.C. or A.C., Lighting D.C. Power D.C. If A.C. state frequency -

er of the Movers, has the governing been found as per Rule when full load is thrown on and off. Yes Are turbine emergency governors fitted

purp a trip switch - Generators, are they compound wound. Yes, and level compounded under working conditions. Yes

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

e machines 100 kw. and over been inspected by the Surveyors during manufacture and testing. None Have certificates of test for machines

er 100 kw. been supplied and the results found as per Rule. Yes Position of Generators

Port and Starboard Fwd. on engine room flat

he ventilation in way of generators satisfactory. Yes are they clear of inflammable material and protected from mechanical injury and

age from water, steam and oil. Yes Switchboards, where are main switchboards placed. Port Side in Main Engine Room

they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water,

Man and oil. Yes, what insulation is used for the panels. Phenol resin, if of synthetic insulating

of crerial is it an Approved Type. Yes, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as

Rule - Is the construction as per Rule, including locking of screws and nuts. Yes Description of Main Switchgear

each generator and arrangement of equaliser switches.

For each 75K.W. Generator: 1- 3 pole Air Circuit Breaker (400A) with 409A Trip and 1- 3 pole Knife Switch (400A)

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

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, 30A, 4-20A and 9-15A fuses.

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

eters. 2 voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reverse current

ection devices connected on the pole opposite to the equaliser connection. Yes Earth Testing, state means provided.

Many 1, Tungsten Filament Lamp Preference Tripping, state if provided. - and tested. -

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

Hitachi S.B. & E. Co., Ltd. Type TH, are all fuses labelled. Yes If circuit breakers are provided for the generators, at what

of fuses load do they operate. 50 % and at what current do the reverse current protective-

etary ly as pes operate 40 A Cables, are they insulated and protected as per Rule. Yes

herwise than as per Rule are they of an Approved Type. - state maximum fall of pressure between bus bars and any point

er maximum load 3.7 volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends. Yes

all the cable runs in accessible positions not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical

ge. Yes, are any cables laid under machines or floorplates. No, if so, are they adequately protected. - State

of cables (if in conduit this should also be stated) in machinery spaces. Lead Sheathed & Steel Braided, galleys. Lead Sheathed & Steel Braided

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.

all lead sheaths, armouring and conduits effectually bonded and earthed. Yes. Are all cables passing through decks and watertight

heads provided with deck tubes or watertight glands. Yes, where unarmoured cables pass through beams, etc., are the holes

ively bushed. Yes Refrigerated chambers, are the cables and fittings as per Rule. Yes

er full refrigeration fan motors been constructed under survey. None and test certificates supplied

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.

*K. Sasaki*

Electrical Contractors.

Date 22 June 1959

K. SASAKI  
Under-Director, Head of Yard

Hitachi Shipbuilding & Engineering Co., Ltd.  
Mukaishima Shipyard

COMPASSES.

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

*K. Sasaki*

Builder's Signature.

Date 22 June 1959

K. SASAKI

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.....

Yes

If so, state name of vessel

M.V. " DNEPR "

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 letter.

The material and workmanship are satisfactory.

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

5m.636-Transfer. (MADE AND PRINTED IN ENGLAND)  
(The Surveyors are requested not to write on or below the space for Committee Minutes)

Total Capacity of Generators..... 150 Kilowatts

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

19

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

19

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

Committee's Minute..... FRIDAY 24 JUL 1959

Assigned..... *See Rpt. 1.*



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Foundation