

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
 took. (No. of Visits 15) Gross 497.10
 on the Steel Single Screw Motor Fishing Boat "DNESTR" Tons Net 162.01
 at Mukaishima, Japan By whom built Hitachi S.B. & E. Co., Ltd. Yard No. 3873 When built 1959-6
 ers. V.O. Sudoimport, Moscow, U.S.S.R. Port belonging to Vladivostok
 allation 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
 Matching 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,
 Main 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 per Rule Yes Instruments on main switchboard 2
 meters 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.
 e of fuses Type TH, are all fuses labelled Yes If circuit breakers are provided for the generators, at what
 load do they operate 50 %, and at what current do the reverse current protective
 etary
 ly as per operate 40 A Cables, are they insulated and protected as per Rule Yes
 otherwise 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
 age 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
 der full refrigeration fan motors been constructed under survey None and test certificates supplied
 the motors accessible for maintenance at all times



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010039 - 010095 - 0140 1/2

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

PARTICULARS OF GENERATING PLANT

DESCRIPTION OF GENERATOR.	No. of	MAKER.	RATED AT				PRIME MOVER.	
			Kw. per Generator.	Volts.	Ampères.	Rovs. per Min.	TYPE.	MAKER.
MAIN	2	Nishishiba Denki K.K.	75	230	326	600	Diesel Engine	Hitachi S.E. & E. Co., Ltd. Innosshima Shipyard
EMERGENCY								
ROTAERY								
TRANSFORMER								

[illegible][illegible]

ALL IMPORTANT MOTORS TO BE ENUMERATED.	No.	B.H.P.							
Main Air Compressor	1	15	1	0.0225	59	72	60	Cambric	Lead Sheathed and Braided
Fresh Water Cooling Pump	1	5	1	0.007	21	27	120	"	"
Sea Water Cooling Pump	1	5	1	0.007	21	27	115	"	"
Port Service Cooling Pump	1	2	1	0.0045	8.6	11	120	Rubber	"
G.S. & Sanitary Pump	1	7.5	1	0.0145	31	55	70	Cambric	"
Reserve Cooling Pump	1	7.5	1	0.0145	31	55	140	"	"
Drinking Water Pump	1	2	1	0.0045	8.6	11	60	Rubber	"
Circulating Pumps	2	15	1	0.0225	59	72	100	Cambric	"
Reserve L.O. Pump	1	7.5	1	0.0145	31	55	100	"	"
L.O. Shift Pump	1	0.5	1	0.003	2.4	7	50	Rubber	"
F.O. Transf. Pump	1	2	1	0.0045	8.6	11	55	"	"
F.O. Purifier	1	2	1	0.0045	8.6	11	105	"	"
Vent Fan for Eng. Room	1	3	1	0.007	12.5	27	45	Cambric	"
Drilling Machine	1	1/4	1	0.003	2.4	7	70	Rubber	"
Steering Gear	1	3	1	0.007	12.5	27	170	Cambric	"
Cargo Winch	1	10	1	0.0045	40	55	120	"	"
Ref. Compressors	2	40	1	0.1	153	185	115	"	"
Wash Water Pump	1	3/4	1	0.003	35	7	60	Rubber	"

insufficient.

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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.

Total Capacity of Generators..... *150* Kilowatts.

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

19.

When received,

19.

Travelling Expenses (if any) £ : :

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

Committee's Minute.....

FRIDAY 24 JUL 1959

Assigned.....

See Rpt. 1.