

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

31 MAY 1955

Date of writing Report 25.5. 19 55 When handed in at Local Office 25.5. 19 55 Port of SPLIT

No. in Survey held at Split Date, First Survey 15.12.54 Last Survey 18.5. 55

Reg. Book. (No. of Visits 20)

95651 s on the Single Screw Motor vessel "O H R I D " Tons { Gross 191

Built at Split By whom built Brodogradilište "Split" Yard No. 128 When built 1955

Owners JADRANSKA LINIJSKA PLOVIDBA Port belonging to Dubrovnik

Installation fitted by Brodogradilište "Split" When fitted 1955

Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. No E.S.D. No Gy.C. No Sub.Sig. No Radar No

Plans, have they been submitted and approved Yes System of Distribution Two wire, insulated Voltage of Lighting 220

Heating 220 Power 220 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 Two Generators in

Engine Room, one each 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 are main switchboards placed Engine Room

Starboard forward

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 Dead front switchboard, 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. --- Description of Main Switchgear

for each generator and arrangement of equaliser switches 3 pole circuit breaker with O/C trip on two poles;

R/C trip on positive pole and third pole used as equaliser

and the switch and fuse gear (or circuit breakers) for each outgoing circuit double pole lever switch with fuse on

each pole

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 5

ammeters 2 voltmeters 3 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

Ohm-meter with selector switch 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 Engl. Electr. Co. Yes If circuit breakers are provided for the generators, at what

overload do they operate 100 Amp. and at what current do the reverse current protective

devices operate 10 Amp 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 --- volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends none fitted

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 ---, 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 C. steel w. braided L.C. St. W. braided

and laundries --- State how the cables are supported or protected clipped to trays

and surface or grounds in accommodation spaces

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 Yes

Have refrigeration fan motors been constructed under survey No and test certificates supplied ---

Are the motors accessible for maintenance at all times Yes

Alternative Lighting, are the groups of lights in the engine and boiler rooms arranged as per Rule..... Yes Emergency Supply, state position in compartment on boat deck

Navigation Lamps, are they separately wired Yes controlled by separate double pole switches and fuses. Yes Are the switches and fuses in a position accessible only to the officers on watch. Yes, is an automatic indicator fitted. Yes Is an alternative supply provided. ---

Secondary Batteries, are they constructed, fitted and adequately ventilated as per Rule..... **Yes**, state battery capacity in ampere hours **130 A/h, 24 V.** Where required to do so does it comply with 1948 International Convention..... **Yes**

ampere hours 100..... where required.....

Lighting, is fluorescent lighting fitted No..... If so, state nominal lamp voltage --- and compartments where lamps are fitted ---

Fittings, are all fittings on weather decks, in stokeholds and engine rooms and wherever exposed to drip or condensed moisture, weatherproof.....

Yes.....

Searchlights, No. of 3, whether fixed or portable fixed, are they of the carbon arc or of the filament type filament type

Searchlights, No. of 0, whether fixed or portable Yes, are the frames effectually earthed Yes, are heaters in the Heating and Cooking, is the general construction as per Rule ---, accommodation of the convection type ---, Motors, are all motors constructed and installed as per Rule and placed in well-ventilated Yes

compartments in which inflammable gases cannot accumulate and protected from damage from water, steam and oil. **Yes**

Are motors coupled to oil fuel transfer and pressure pumps capable of being stopped from a position accessible in the event of fire in the pump compartment? **none fitted**

compartment. Yes Have motors of 100 BHP and over been inspected by the Surveyors during manufacture and testing. Yes

Have certificates of test for motors under 100 BHP intended for essential sea services been supplied and the results found as per Rule..... **Yes**

Lightning Conductors, where required are they fitted as per Rule..... **Yes**

Oil having a Flash Point of less than 150° F. Have all the special requirements of the Rules for such ships been complied.....

Ships carrying Oil having a Flash Point of less than 150° F. Have all the special requirements of the Rules for such ships been complied with ---, are all fuses of an Approved Cartridge Type ---, make of fuse ---. Are the fittings for pumps

rooms, 'tween deck spaces, etc., in accordance with the special requirements for such ships. Are all cables lead covered as per Rule.

E.S.D., if fitted state maker..... Location of transmitter and receiver..... Yes

Spare Gear, if the vessel is for open sea service have spares been provided as per Rule and suitably stored in dry situations. Yes

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

PARTICULARS OF GENERATING PLANT.

PARTICULARS OF GENERATING SETS.										PRIME MOVER.	
DESCRIPTION OF GENERATOR.	No. of	MAKER.	RATED AT				TYPE.	MAKER.			
			Kv. per Generator.	Volts.	Ampères.	Revs. per Min.					
MAIN ...	2	Crompton Parkinson	20	220	2x91	1050	Diesel	M. Ruston & Hornsby Ltd.			
EMERGENCY ...	1	Pelizzari	1.47/1	220/30		2800					
ROTARY TRANSFORMER				8.7/25							

GENERATOR CABLES.

[illegible]

MAIN DISTRIBUTION CABLES (to Auxiliary Switchboards, etc.).

[illegible]

DISTRIBUTION CABLES (to Section-Boards and Distribution-Fuse-Boards, etc.)

[illegible]

MOTOR CABLES.

ALL IMPORTANT MOTORS TO BE ENUMERATED.	No.	B.H.P.						
Windlass	1	8	2x1x16	34	48.5	60	V.I.R.	L.C.St.W.braid.
Cargo winch	1	10		40				
Accomm.space fan fwd.	1	0.75	2x6	1.1				
" " " aft	1	0.75		1.1	30	46		detto
" " " fwd	1	0.75						
Air compressor	1	5	2x4	20.2	21	10		detto
Radiator Heating pump	1	2	2x2.5	8.7	13	12		detto
Lub.Oil pump	1	4.5	2x4	18	21	6		detto
F.O.Transfer pump	1	2	2x2.5	9	13	24		detto
Sea W. Hydrophore	1	2	2x4	8.7	21	14		detto
Drink.W.Hydrophore	1	2		8.7				
General Serv. pump	1	8	2x1x10	31	38.5	8		detto
Motor cooling W. pump	1	2.5	2x4	10	21	12		detto
Motor Generat.(Transform)	1	1.9	2x2.5	8.7	13	8		detto
Refrig. compressor	1	1.25	2x1.5	5.8	6.3	8		detto
Lub.oil Separator pump	1	0.5	2x1.5	2.6	6.3	10		detto
F.O.Separator pump	1	0.5	2x1.5	2.6	6.3	10		detto

NOTE.—Use Rpt. 13 Continuation Sheet if the above space is insufficient.

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.

Lyder Røge

Brodogradinske „SPLIT“
SPLIT

Electrical Contractors.

Date, 25.5.1955

COMPASSES.

Have the compasses been adjusted under working conditions

Yes-

Brodogradinske „SPLIT“
SPLIT

Lyder Røge

Builder's Signature.

Date, 25.5.1955

Have the foregoing descriptions and schedules been verified and found correct

Yes

Is this installation a duplicate of a previous case

If so, state name of vessel

Plans. Are approved plans forwarded herewith

Yes

If not, state date of approval

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 electric equipment of this vessel has been installed under special survey in accordance with the approved plans and the Secretary's letters. The materials used are of good quality and design and the workmanship is good. On completion, the equipment was tested under working conditions and found satisfactory. This installation is, in my opinion, suitable for a classed vessel.

APPROVED PLANS: No.12212, Electrical Equipment, General Scheme
No.12393. Main Switchboard

Total Capacity of Generators 40 Kilowatts.

The amount of Fee ... £ 55,860.-

When applied for,

19

When received,

19

Travelling Expenses (if any) £

Gmaj
Surveyor to Lloyd's Register of Shipping.

Committee's Minute. TUESDAY 12 JUL 1955

Assigned. See Rpt. 4 b.