

Rpt. 13

No. 2590

# REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 4.4.1963 When handed in at Local Office 19 Port of SPLIT  
 No. in Survey held at SPLIT Date, First Survey 26-9-63 Last Survey 27-12-1963  
 Reg. Book (No. of Visits 16) Gross 7099  
92140 on the M.V. "WIENIAWSKI" Tons Net 3774.3  
 Built at SPLIT By whom built BRODOGRADILISTE "SPLIT" Yard No. 176 When built 1962  
 Owners POLSKIE LINIE OCEANICZNE Port belonging to GDYNIA  
 Installation fitted by BRODOGRADILISTE "SPLIT" When fitted 1962

Is vessel equipped for carrying Petroleum in bulk - Is vessel equipped with D.F. YES E.S.D. YES Gy.C. YES Sub.Sig. - Radar YES

Plans, have they been submitted and approved YES System of Distribution 3 PHASE 3 WIRE Voltage of Lighting 220 V

Heating 220 V Power 380 V or A.C. Lighting 220 Power 380 V If A.C. state frequency 50 c/s

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 -

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing YES Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule YES Position of Generators ONE PORT SIDE AND TWO

STBD. S. FWD. AND AFT ENGINE ROOM PLATFORM  
 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 E.N. PLAT FORWARD CENTRE

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 MELAMIN, 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 THREE-POLE AUTOMATIC CIRCUIT BREAKERS WITH

OVERCURRENT UNDERVOLTAGE RELAY, OVERLOAD TIME RELAY AND REVERSE POWER RELAY

and the switch and fuse gear (or circuit breakers) for each outgoing circuit THREE-POLE CIRCUIT BREAKER WITH O/C

RELAY, 3 POLE SWITCH WITH FUSES

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule YES Instruments on main switchboard 28

ammeters 4 voltmeters 3 synchronising devices. For compound machines in parallel are the ammeters and reverse current protection devices connected on the pole opposite to the equaliser connection -- Earth Testing, state means provided --

Preference Tripping, state if provided YES, and tested YES

Switches, Circuit Breakers and Fuses, are they as per Rule YES, are the fuses an Approved Type YES

make of fuses BROWN, ROVERI, are all fuses labelled YES If circuit breakers are provided for the generators, at what

overload do they operate 15% 500A & 700A, and at what current do the reverse current protective

devices operate 8% 35A & 49A 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 3 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 V.I.R. L.C.A., galleys V.I.R. L.C.A.

and laundries V.I.R. L.C.A. State how the cables are supported or protected IN ENGINE ROOM, GANG WAYS

AND IN OTHER PLACE CABLES ARE SUPPORTED ON PERFORATED STEEL PLATES, IN CARGO

HOODS CABLE ARE LED IN CLOSED IRON DUCTS

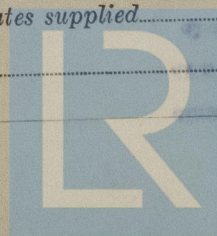
Are all lead sheaths, armouring and conduits effectually bonded and earthed YES Are all cables passing through decks and watertight

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 YES and test certificates supplied YES

Are the motors accessible for maintenance at all times YES



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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.

Kusturkovic Prago Electrical Contractors. Date.....

#### COMPASSES

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

Kusturkovic Prago Builder's Signature. Date.....

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..... **R.V. NOWOMIJSKI, R.V. SZYMANOWSKI**

Plans. Are approved plans forwarded herewith..... **YES** If not, state date of approval..... **YES**

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 EQUIPMENT OF THIS VESSEL HAS BEEN INSTALLED UNDER SPECIAL SURVEY IN ACCORDANCE WITH THE RULES FOR ELECTRICAL EQUIPMENT, APPROVED PLANS AND SECRETARY'S LETTERS. THE MATERIAL AND WORKMANSHIP ARE GOOD.**

**ON COMPLETION, THE INSTALLATION WAS EXAMINED UNDER FULL WORKING CONDITION. THE CIRCUIT MEGGER TESTED, GENERATORS PARALLELED, REVERSE CIRCUIT TRIPS, OVERLOADED TRIPS ALL TESTED AND FOUND IN ORDER. THE GOVERNORS WERE TRIED UNDER FULL LOAD AND FOUND SATISFACTORY.**

**THE EQUIPMENT IS IN OUR OPINION SUITABLE FOR A VESSEL TO BE CLASSED WITH THIS SOCIETY.**

Total Capacity of Generators..... **912** Kilowatts.

The amount of Fee ... **£119- 0-10** : When applied for, 19

and Din. 249.988.-

Travelling Expenses (if any) £ : : When received, 19

J. Blgray  
Surveyor to Lloyd's Register of Shipping  
(P.B.GRAY)

**FRIDAY 14 JUN 1963**

Committee's Minute.....

Assigned.....

See Rpt 1