

28 JUN. 1962

Rpt. 13

No. 1494

# REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 4.6. 1962 When handed in at Local Office 19 Port of Rijeka

No. in Survey held at Rijeka Date, First Survey Last Survey 19  
Reg. Book (No. of Visits)3743 on the M.V. "WYSPIANSKI" Tons { Gross 5731  
Net 3071

Built at Rijeka By whom built Brodogradiliste 3. Maj Yard No. 482 When built 1962

Owners Polish Government Port belonging to Gdynia

Installation fitted by Messrs. brodogradiliste 3. Maj When fitted 1962

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

Plans, have they been submitted and approved yes System of Distribution 3-phase A.C. Voltage of Lighting 220 V.

Heating 220 V. Power 380 V. D.C. or A.C. Lighting A.C. Power A.C. 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 engine room lower

platform. One on port side. Two on starboard 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 forward at 2nd

platform level.

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 panel, 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 Equipped with three pole circuit breakers and no-volt, short

circuit, delayed overload and reverse power relays.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit are fitted with relays protected circuit breakers.

Non-essential consumers connected to the preferential tripping system.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 27

ammeters 5 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 none

Earthed star point 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 Siemens Schuckert, are all fuses labelled yes If circuit breakers are provided for the generators, at what

overload do they operate 400 KVA@636A; 250 KVA@396A, and at what current do the reverse power protective

devices operate 32 KW 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 1.4% volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends none

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 yes, if so, are they adequately protected yes State

type of cables (if in conduit this should also be stated) in machinery spaces lead covered &amp; armoured, galleys lead covered &amp; armoured

and laundries lead covered &amp; armoured State how the cables are supported or protected cables supported on perforated cable

profiles and in holds protected in enclosed steel cable trays

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 -

Have refrigeration fan motors been constructed under survey - and test certificates supplied

Are the motors accessible for maintenance at all times -



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Foundation

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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.

BRODOGRADILISTE 3. MAJ  
RIJEKA

*[Signature]*

Electrical Contractors.

Date 14. VI. 1962

#### COMPASSES

Have the compasses been adjusted under working conditions ☒ yes

*[Signature]*

BRODOGRADILISTE 3. MAJ  
RIJEKA

Builder's Signature.

Date 14. VI. 1962

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 "JOZEF CONRAD"

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 electrical equipment of this ship has been installed under Special Survey in accordance with the requirements of the Society's Rules, Approved Plans and Secretary's letters.

The material and workmanship are good.

On completion of installation the generators were examined under full working conditions and found satisfactory. Paralleling of generators and operation of relays for overload and reverse power etc., witnessed and found satisfactory.

Total Capacity of Generators 840 Kilowatts.

The amount of Fee ... £ 116-0-0 + 243.600.-Din. When applied for,

*bus*

19

When received,

Travelling Expenses (if any) £ :

19

*Fred. G. Burn*  
Surveyor to Lloyd's Register of Shipping  
(F.G. Burn)

Committee's Minute

FRIDAY 13 JUL 1962

Assigned *Su Rpt 1.*