

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

No. 805

9 JUN 1959

Date of writing Report 15th April 1959 When handed in at Local Office 19 Port of Rijeka  
No. in Survey held at Pula Date, First Survey Last Survey 19  
J. Book. (No. of Visits) Gross 13339  
Tons Net

on the M.V. "OSTRAVA" ex "ISTINA" Yard No. When built 1959

Built at Pula By whom built Brodogradiliste Uljanik Port belonging to Praha

Owners Cechofracht Shipping and International Forwarding corporation of Praha When fitted 1959

Installation fitted by Brodogradiliste - Uljanik Pula

Is vessel equipped for carrying Petroleum in bulk Yes 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 two & three wire sys Voltage of Lighting 115 V

Heating Power 440 V D.C. or A.C., Lighting A.C. Power A.C. If A.C. state frequency 60 HZ

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 and level compounded under working conditions

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 two main

on stb. side & one main on pt. - Harbour generator on pt.

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 Forward Engine Room

amidships.

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 type, 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 Hand operated circuit breaker with instantaneous

short circuit & over load & reverse power trips & time relay for not essential

consumers.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit three pole hand operated linked

switches & fuses

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

ammeters 14 voltmeters 7 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

indicating lamps 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 AEG-Siemens, are all fuses labelled Yes If circuit breakers are provided for the generators, at what

overload do they operate 345 A, and at what current do the reverse current protective

devices operate 8% 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 5 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 yes, if so, are they adequately protected yes State

type of cables (if in conduit this should also be stated) in machinery spaces V.R.I. Lead alloy sheathed & armoured same

and laundries same State how the cables are supported or protected cables supported on

steel chairs and secured with clips

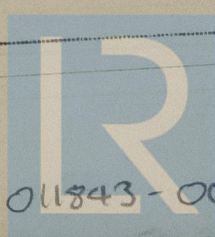
Are all lead sheaths, armouring and conduits effectually bonded and earthed yes Are all cables passing through decks and watertight

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 and test certificates supplied

Are the motors accessible for maintenance at all times



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PARTICULARS OF GENERATING PLANT.

## GENERATOR CABLES.

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

DISTRIBUTION CABLES (to Section-Boards and Distribution-Fuse-Boards, etc.).		
CONDUCTORS.	MAXIMUM CURRENT CAPACITY.	APPROX. LENGTH.
1/2" No. 10	10	100
1/2" No. 12	15	150
1/2" No. 14	20	200
1/2" No. 16	25	250
1/2" No. 18	30	300
1/2" No. 20	35	350
1/2" No. 22	40	400
1/2" No. 24	45	450
1/2" No. 26	50	500
1/2" No. 28	55	550
1/2" No. 30	60	600
1/2" No. 32	65	650
1/2" No. 34	70	700
1/2" No. 36	75	750
1/2" No. 38	80	800
1/2" No. 40	85	850
1/2" No. 42	90	900
1/2" No. 44	95	950
1/2" No. 46	100	1000
1/2" No. 48	105	1050
1/2" No. 50	110	1100
1/2" No. 52	115	1150
1/2" No. 54	120	1200
1/2" No. 56	125	1250
1/2" No. 58	130	1300
1/2" No. 60	135	1350
1/2" No. 62	140	1400
1/2" No. 64	145	1450
1/2" No. 66	150	1500
1/2" No. 68	155	1550
1/2" No. 70	160	1600
1/2" No. 72	165	1650
1/2" No. 74	170	1700
1/2" No. 76	175	1750
1/2" No. 78	180	1800
1/2" No. 80	185	1850
1/2" No. 82	190	1900
1/2" No. 84	195	1950
1/2" No. 86	200	2000
1/2" No. 88	205	2050
1/2" No. 90	210	2100
1/2" No. 92	215	2150
1/2" No. 94	220	2200
1/2" No. 96	225	2250
1/2" No. 98	230	2300
1/2" No. 100	235	2350
1/2" No. 102	240	2400
1/2" No. 104	245	2450
1/2" No. 106	250	2500
1/2" No. 108	255	2550
1/2" No. 110	260	2600
1/2" No. 112	265	2650
1/2" No. 114	270	2700
1/2" No. 116	275	2750
1/2" No. 118	280	2800
1/2" No. 120	285	2850
1/2" No. 122	290	2900
1/2" No. 124	295	2950
1/2" No. 126	300	3000
1/2" No. 128	305	3050
1/2" No. 130	310	3100
1/2" No. 132	315	3150
1/2" No. 134	320	3200
1/2" No. 136	325	3250
1/2" No. 138	330	3300
1/2" No. 140	335	3350
1/2" No. 142	340	3400
1/2" No. 144	345	3450
1/2" No. 146	350	3500
1/2" No. 148	355	3550
1/2" No. 150	360	3600
1/2" No. 152	365	3650
1/2" No. 154	370	3700
1/2" No. 156	375	3750
1/2" No. 158	380	3800
1/2" No. 160	385	3850
1/2" No. 162	390	3900
1/2" No. 164	395	3950
1/2" No. 166	400	4000
1/2" No. 168	405	4050
1/2" No. 170	410	4100
1/2" No. 172	415	4150
1/2" No. 174	420	4200
1/2" No. 176	425	4250
1/2" No. 178	430	4300
1/2" No. 180	435	4350
1/2" No. 182	440	4400
1/2" No. 184	445	4450
1/2" No. 186	450	4500
1/2" No. 188	455	4550
1/2" No. 190	460	4600
1/2" No. 192	465	4650
1/2" No. 194	470	4700
1/2" No. 196	475	4750
1/2" No. 198	480	4800
1/2" No. 200	485	4850
1/2" No. 202	490	4900
1/2" No.		

**MOTOR CABLES.**

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.

A. Josko

Electrical Contractors.

Date 8. V. 1959

#### COMPASSES.

Have the compasses been adjusted under working conditions Yes

Yamnik

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 No 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 installation referred to herein has been installed under Special Survey in accordance with the rules of the Society, approved plans, and Secretary's letters.

The workmanship and materials are good.

On completion of installation the generators were examined under full working conditions, and tested for paralleling overload and reverse power trips etc., circuits were tested, and all found satisfactory.

Total Capacity of Generators 700 Kilowatts.

The amount of Fee ... £ 164-8-00 When applied for, 19

Travelling Expenses (if any) £ : : 19

A. Josko  
Surveyor to Lloyd's Register of Shipping.

FRIDAY 10 JUL 1959

Committee's Minute

Assigned

Sec Rpt. 1.



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