

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 13 DEC 1928

Date of writing Report 19 When handed in at Local Office 4.12. 1928 Port of Trieste

No. in Survey held at Monfalcone Date, First Survey Nov 9 Last Survey Dec 1 1928
Reg. Book. 89833 on the M. S. Denizetti (Number of Visits 11)Built at Monfalcone By whom built Cant. Nav. Triest. Yard No. 195 When built 1928
Owners "Adria" S. R. S. Nav. Mar. Port belonging to Trieste

Electric Light Installation fitted by Cantiere Navale Triestino Contract No. When fitted 1928

System of Distribution Double wire

Pressure of supply for Lighting 110 volts, Heating — volts, Power 220 volts.

Direct or Alternating Current, Lighting direct Power

If alternating current system, state frequency of periods per second —

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off yes

Generators, do they comply with the requirements regarding rating yes, are they compound wound yes
are they over compounded 5 per cent. yes, if not compound wound state distance between each generator —

Where more than one generator is fitted are they arranged to run in parallel yes, is an adjustable regulating resistance fitted in series with each shunt field yes

Are all terminals accessible, clearly marked, and furnished with sockets yes, are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched yes Are the lubricating arrangements of the generators as per Rule yes

Position of Generators Two 100 Kw on port and one 33 Kw on Starb. E. R. platform, is the ventilation in way of the generators satisfactory yes, are they clear of all inflammable material yes

if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators — and —, are the generators protected from mechanical injury and damage from water, steam or oil yes

are their axes of rotation fore and aft yes

Earthing, are the bedplates and frames of the generating plant efficiently earthed yes are the prime movers and their respective generators in metallic contact yes

Main Switch Boards, where placed in E. R. port side

If the generators and main switchboard are not placed in the same compartment, is each generator provided with a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard —

Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes yes, are they protected from mechanical injury and damage from water, steam or oil yes, if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards — and —

are they constructed wholly of durable, non-ignitable non-absorbent materials yes (slate), is all insulation of high dielectric strength and of permanently high insulation resistance yes, if semi-insulating material is used, are all conducting parts insulated from the slab with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework yes

and is the frame effectively earthed yes Are the fittings as per Rule regarding: — spacing or shielding of live parts

yes, accessibility of all parts yes, absence of fuses on back of board yes, proportion of omnibus bars yes, individual fuses to voltmeter, pilot or earth lamp yes, connections of switches yes

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches Double pole circuit breaker with overload and reverse current trip with interlocked equalizer for generators. For

indicators, Winches and E. R. Motors an overload circuit breaker to one pole and fuse to other pole. Double pole link switches and fuses to each pole to all other circuit for power light.

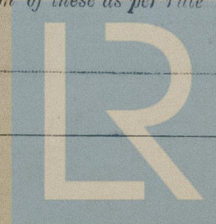
Instruments on main switchboard 10 ammeters 5 voltmeters — synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system contacts for

Voltmeter

Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules yes

Joint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule yes



© 2020

Lloyd's Register Foundation

If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office

MOTOR CONDUCTORS.									
Ref. No.	DESCRIPTION.	No. of Motors.	Effective Area of each Conductor. Sq. Ins.	COMPOSITION OF STRAND.		Total Maximum Current. Amperes.	Approximate Length. (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
				No.	Diameter.				
I 7	BALLAST PUMP	1	25	19	1.3	59	70	rubber	Armoured
I 9	MAIN BILGE LINE PUMPS ...	1	25	19	1.3	59	90	"	"
	GENERAL SERVICE PUMP ...								
	EMERGENCY BILGE PUMP ...								
I 11	SANITARY PUMP	1.4	14.4	7	1.4	40	110	"	"
II 526	CIRC. SEA WATER PUMPS ...	2	51	19	1.85	98	40	"	"
	CIRC. FRESH WATER PUMPS ...								
	AIR COMPRESSOR								
I 10	FRESH WATER PUMP	1	4.5	7	0.9	10	120	"	"
I 28	ENGINE TURNING GEAR ...	1	6.65	7	1.1	24	110	"	"
	ENGINE REVERSING GEAR ...								
	LUBRICATING OIL PUMPS ...	See No 526							
I 8	OIL FUEL TRANSFER PUMP ...	1	11	7	1.4	32	90	"	"
5	WINDLASS 1 h. taking ...	1	99	37	1.85	169	280	"	"
6	WINCHES, FORWARD 1/2 h. 2 ...	4	147	37	2.25	236	200	"	"
7	WINCHES, AFT 1/2 h. 2 ...	4	147	37	2.25	236	200	"	"
4	STEERING GEAR—								
	(a) MOTOR GENERATOR ...								
	(b) MAIN MOTOR	1	14.7	7	1.6	47	230	"	"
10	WORKSHOP MOTOR S.B. ...	4	4.5	7	1.9	22	60	"	"
	VENTILATING FANS								
8	S.B. for Auxiliaries I ...	6	181	37	2.5	224	40	"	"
9	S.B. for Auxiliaries II ...	3	160	37	2.35	201	40	"	"
21	Galley S.B.	5	51	19	1.85	96		"	"
II 12	Oil Filter	1	1.3	3	0.75	5		"	"

All Conductors are of annealed copper conforming to British Standard Specification No. 7.

The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.

The foregoing is a correct description.

p. off. electr. Engr. F.

disfano

Electrical Engineers.

Date 4. nov. 1928

COMPASSES.

Distance between electric generators or motors and standard compass 54'

Distance between electric generators or motors and steering compass 50'

The nearest cables to the compasses are as follows:—

A cable carrying 5 Ampères 10 feet from standard compass 8 feet from steering compass.

A cable carrying 0.17 Ampères in the feet from standard compass in the feet from steering compass.

A cable carrying Ampères feet from standard compass feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power yes

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted yes

The maximum deviation due to electric currents was found to be none degrees on none course in the case of the standard compass, and degrees on course in the case of the steering compass.

disfano Triestino

Builder's Signature.

Date 4. nov 1928

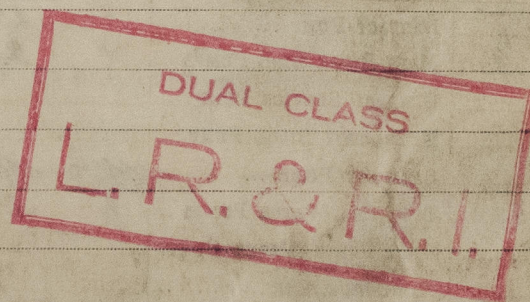
Is this installation a duplicate of a previous case yes If so, state name of vessel M. S. Rattini e Paganini

General Remarks (State quality of workmanship, opinions as to class, &c.)

This installation has been made in accordance with the Rule; the material and workmanship are good. The whole installation has been tested under full working condition and found satisfactory.

It is submitted that this vessel is eligible for THE RECORD.

See. Light
R.A. 14/12/28.



Total Capacity of Generators 233 Kilowatts.

The amount of Fee ... *L. 3471.*

When applied for,

19

When received,

28. 1. 29

Travelling Expenses (if any) £

R. Rattini
Surveyor to Lloyd's Register of Shipping

Committee's Minute

TUE. 18 DEC 1928

Assigned

See. Light



© 2020

Lloyd's Register Foundation