

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report Dec 22 1926 When handed in at Local Office Dec 18 1926 Port of Trieste

No. in Survey held at Monfalcone Date, First Survey July 6 Last Survey Dec 19 1926
Reg. Book. 76737 on the M. S. Marin SamitoBuilt at Monfalcone By whom built Cantiere Nav. Triest. Yard No. 158 When built 1926
Owners Soc. Venetiana di Navig. a Vap. Port belonging to Venice

Electric Light Installation fitted by Cantiere Navale Triestino Contract No. When fitted 1926

System of Distribution Two wire ✓ volts, Power 220 ✓ volts.

Pressure of supply for Lighting 110 ✓ volts, Heating — Power direct ✓

Direct or Alternating Current, Lighting direct ✓

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 In Engine room platform port side ✓

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 Engine room near generators

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 ✓, 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 micawile 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 Each generator has

a two pole automatic circuit breaker with interlocked switch for equalizing. Automatic

switch to one pole and a knife switch and fuse on other pole to each circuit for power

Double pole knife switches with fuse to each pole for steering engine, light and pro

tary transformer. Double pole knife switch with fuse to each pole for each out

going circuit for light

Instruments on main switchboard 10 amperes 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 Voltmeter com

munications

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 ✓



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

Ref. No.	DESCRIPTION.	No. of Motors.	Effective Area of each Conductor Sq. Ins.	COMPOSITION OF STRAND.		Total Maximum Current in m. area.	Approximate Length. (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
				No.	Diameter.				
	BALLAST PUMP	1	51 ✓	19	1.9	99	80	rubber	Armoured
5 (29)	MAIN BILGE LINE PUMPS ...	1	4 ✓	7	0.9	19	80	rubber	Armoured
5 (26)	GENERAL SERVICE PUMP ..	1	11 ✓	7	1.9	39	80	rubber	Armoured
	EMERGENCY BILGE PUMP ...								
	SANITARY PUMP								
4 (23)	CIRC. SEA WATER PUMPS ...	1	51 ✓	19	1.9	99	50	rubber	Armoured
	CIRC. FRESH WATER PUMPS								
5 (28)	AIR COMPRESSOR								
5 (28)	FRESH WATER PUMP	1	4 ✓	7	0.9	8	80	rubber	Armoured
4 (30)	ENGINE TURNING GEAR ...	1	6.6 ✓	7	1.1	28	60	rubber	Armoured
	ENGINE REVERSING GEAR ...								
(23 & 24)	LUBRICATING OIL PUMPS ...	Coupled to circulating and transfer pumps							
4 (24)	OIL FUEL TRANSFER PUMP	1	51 ✓	19	1.9	99	80	rubber	Armoured
9	WINDLASS 1. h. taking	1	129	37	2.1	200	450	rubber	Armoured
6 X	WINCHES, FORWARD S.B.	6	300	61	2.5	402	90	rubber	Armoured
7 X	WINCHES, AFT ... S.B.	7	396	91	2.4	464	90	rubber	Armoured
	STEELING GEAR—								
8	(a) MOTOR GENERATOR ...	1	22 ✓	19	1.2	48	250	rubber	Armoured
	(b) MAIN MOTOR								
4 (19-20)	WORKSHOP MOTOR	2	4 ✓	7	0.9	20	60	rubber	Armoured
	VENTILATING FANS								
4	Oil Filter	1	1.3 ✓	1	1	6	30	rubber	Armoured
5 (27)	Refrigerator	1	4 ✓	7	0.9	16	80	rubber	Armoured
4	To Aux. S.B. I for Power	5	196 ✓	37	2.6	220	70	rubber	Armoured
5	To Aux. S.B. II for Power	5	129 ✓	37	2.1	220	70	rubber	Armoured
6 & 7	From Aux. S.B. to 16 H winches	8	25 ✓	19	1.3	59	200	rubber	Armoured
6 & 7	From Aux. S.B. to 22 H winches	5	51 ✓	19	1.9	86	200	rubber	Armoured
	1 1/2 h. h. taking								

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.

OFFICINE ELETTROMECCANICHE

Electrical Engineers.

Date 24 Dec. 1926

COMPASSES.

Distance between electric generators or motors and standard compass 20 feet

Distance between electric generators or motors and steering compass 25 feet

The nearest cables to the compasses are as follows:—

A cable carrying 6 Amperes 8 feet from standard compass 8 feet from steering compass.

A cable carrying 0.3 Amperes in the feet from standard compass in the feet from steering compass.

A cable carrying Amperes 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 no

The maximum deviation due to electric currents was found to be degrees on course in the case of the standard compass, and degrees on course in the case of the steering compass.

CANTIERE NAVALE TRIESTINO

Builder's Signature.

Date

Is this installation a duplicate of a previous case yes If so, state name of vessel

MS Col di Lana No 155 CNT
MS Monte Tiana No 156 CNT
MS Tergestina No 157 CNT

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

This installation has been made in accordance with the Rules. The material and workmanship are good. The whole installation, generators and motors have been tested under full working condition and found satisfactory.

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

DUAL CLASS

L.R. & R.I.

Total Capacity of Generators 198 Kilowatts.

The amount of Fee ...

£3968.

When applied for,
Dec 31, 1926

Travelling Expenses (if any) £

When received,
4/3/27

FRI. 7 JAN 1927

Committee's Minute

Assigned

Elec Light

FRI. 28 JAN 1927



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