

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

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Date of writing Report April 3 1926 When handed in at Local Office April 9 1926 Port of TriesteNo. in Survey held at Trieste Date, First Survey 25/11/1925 Last Survey 31st March 1926
Reg. Book.39004 on the MOTOR VESSEL "FELLA" (Number of Visits Twelve)Built at Trieste By whom built Stabilemente Tecnico Trieste Yard No. 745 Tons { Gross 7062
Net 4460Owners Navigazione Libera Trieste Port belonging to VeniceElectric Light Installation fitted by Stabilemente Tecnico Trieste Contract No. When fitted 1926System of Distribution Two wire ✓Pressure of supply for Lighting 110 Volts ✓ volts, Heating ✓ volts, Power 220 ✓ volts.Direct or Alternating Current, Lighting Direct Power 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 inseries 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 on port side engine room - one on starboard 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 andtheir respective generators in metallic contact Yes. ✓Main Switch Boards, where placed Port side engine room - transversely in ship.

If the generators and main switchboard are not placed in the same compartment, is each generator provided with

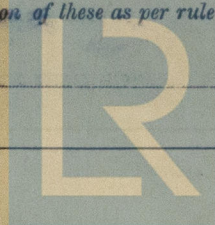
a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard ✓

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 Marble ✓, is all insulation of high dielectric strength and ofpermanently high insulation resistance Yes. ✓, if semi-insulating material is used, are all conducting parts insulated from the slabwith mica or micawyle 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 partsYes. ✓, accessibility of all parts Yes. ✓, absence of fuses on back of board Yes. ✓, proportion of omnibusbars 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 Generators - doublepole circuit breakers with maximum and minimum current trips and with equalizing switcheselectrically arranged as per Rules. Outgoing circuit - line pole knife switches with quick release.

Instruments on main switchboard ammeters ✓ 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 Lamps to earthswitches, 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. ✓Lloyd's Register
Foundation

W36-0183(112)

MOTOR CONDUCTORS.									
Ref. No.	DESCRIPTION.	No. of Motors.	Effective Area of each Conductor. Sq. Ins.	COMPOSITION OF STRAND.		Total Maximum Current. "a. Ins."	Approximate Length. (Lead and Return.) METERS.	Insulated with	HOW PROTECTED.
				No.	Diameter.				
	BALLAST PUMP	1	49 ✓	19	1.85	98	27	Rubber	Lead. steel wire
	MAIN BILGE LINE PUMPS	1	4½ ✓	7	0.9	19½	32	do	do do
	GENERAL SERVICE PUMP	1	14 ✓	7	1.6	39	34	do	do do
	EMERGENCY BILGE PUMP	✓							
	SANITARY PUMP	✓							
	CIRC. SEA WATER PUMPS	2	38 ✓	19	1.6	75	28	do	do do
	CIRC. FRESH WATER PUMPS	✓							
	AIR COMPRESSOR	✓							
	FRESH WATER PUMP ...	1	2½ ✓	1	1.8	79	52	do	do do
	ENGINE TURNING GEAR ...	1	10 ✓	7	1.3	37	40	do	do do
	ENGINE REVERSING GEAR	✓							
	LUBRICATING OIL PUMPS	2	14 ✓	7	1.5	29	34	do	do do
	OIL FUEL TRANSFER PUMP	1	25 ✓	19	1.3	59	80	do	do do
	WINDLASS	1	127 ✓	37	2.1	155	186	do	do do
	WINCHES, FORWARD	1	159 ✓	37	2.25	209	160	do	do do
	WINCHES, AFT	1	159 ✓	37	2.25	209	114	do	do do
	STEERING GEAR—								
	(a) MOTOR GENERATOR ...	1	55 ✓	19	2.1	113	192	do	do do
	(b) MAIN MOTOR		65 ✓	19	2.1	98	10	do	do do
	WORKSHOP MOTOR								
	VENTILATING FANS								

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.

Pro Montecarlo Electrical Engineers.

Date 5. 4. 26

COMPASSES.

WIRELESS TRANSFORMER

Distance between electric ~~generators~~ or motors and standard compass

13 metres

Distance between electric ~~generators~~ or motors and steering compass

10 metres.

The nearest cables to the compasses are as follows:—

A cable carrying 8.5 Ampères 5 m feet from standard compass 2 m feet from steering compass.

A cable carrying ✓ Ampères ✓ feet from standard compass ✓ 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

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.

Builder's Signature.

Date 5. 4. 26.

Is this installation a duplicate of a previous case No ✓ If so, state name of vessel ✓

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

The electric installation of

this vessel has been fitted on board in accordance with the requirements of the Rules. The generators and motor were tested in the shop before being fitted on board and on completion the whole installation was tested under full working conditions, with satisfactory results.

Wireless fitted.

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

Total Capacity of Generators 198 Kilowatts.

The amount of Fee ...

Set 3404.-

When applied for,
12/4/19 26

Travelling Expenses (if any) £

When received,
28.5.19 26

V. Lockray.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI, 23 APR 1926

Assigned

Elec. Light



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