

20 JUN 1927

Rpt. 13.

No. 16524

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report 10.6.1927 When handed in at Local Office 10 Port of Rotterdam

No. in Survey held at Rotterdam Date, First Survey 7.12.26 Last Survey 9.6.1927
Reg. Book. (Number of Visits 18)

on the Steel Single Screw Motor Tanker GOLDMOUTH Tons { Gross
Net

Built at Rotterdam By whom built Mr. Tjenenord Yard No. 803 When built

Owners Anglo Saxon Petroleum Co Port belonging to London

Electric Light Installation fitted by Messrs. Myrnesen & Co Contract No. When fitted 1927

System of Distribution Two wire system

Pressure of supply for Lighting 110 volts, Heating - volts, Power 110 volts.

Direct or Alternating Current, Lighting direct current Power direct current

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 near the switchboards

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 the 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 micromite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework

and is the frame effectively earthed 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 for each generator

a double pole quick linked trip switch for equalizer and main pole, and auto.

matic minimal single pole quick linked switch for the positive pole, and for each

outgoing circuit a double pole quick linked trip switch and double pole fuse.

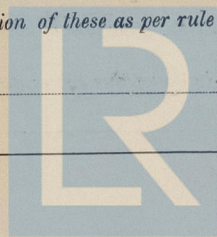
Instruments on main switchboard 5 ammeters 4 voltmeters synchronising device for paralleling purposes.

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

on the switchboard for lighting and two earth lamps on the switchboard for power

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..... 12

MOTOR CONDUCTORS.									
Ref. No.	DESCRIPTION.	No of Motors.	Effective Area of each Conductor. Sq. Ins.	COMPOSITION OF STRAND.		Total Maximum Current. in cwt.	Approximate Length. (Load on Return) Feet.	Insulated with	HOW PROTECTED.
				No.	Diameter.				
	BALLAST PUMP								
	MAIN BILGE LINE PUMPS ...								
	GENERAL SERVICE PUMP ...								
	EMERGENCY BILGE PUMP ...								
	SANITARY PUMP								
	CIRC. SEA WATER PUMPS ...								
	CIRC. FRESH WATER PUMPS								
	AIR COMPRESSOR								
	FRESH WATER PUMP								
	ENGINE TURNING GEAR ...	1	95	19	2.52	160	64.06	Purifier	Lead covered, armoured
	ENGINE REVERSING GEAR ...								
	LUBRICATING OIL PUMPS ...	1	2 1/2	✓		10	20.06		
	OIL FUEL TRANSFER PUMP ...	2	25	✓	1.13	60	40.06		
	WINDLASS								
	WINCHES, FORWARD								
	WINCHES, AFT								
	STEERING GEAR—								
	(a) MOTOR GENERATOR...								
	(b) MAIN MOTOR	2	220	✓	1.83	240	110.06		
	WORKSHOP MOTOR	1	6	✓	1.05	20	30.06		
	VENTILATING FANS								
	Cooling machine pump	1	220	✓	2.52	200	20.0		
	Oil Pumping	2	6	✓	1.05	24	25.0		
	Generator	1	1 1/2	✓		3	10.0		
	Drilling Machine	1	4	✓		16	20.0		
	Refrigerator	1	50	✓	1.83	10.4	120.0		
	Heat Lubrication								
	Oil pumps	1	95	✓	2.32	144	0.0		

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All Conductors are of annealed copper conforming to British Standard Specification No. 7. *Yes*
The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
The foregoing is a correct description.

Allen Electrical Engineers.

Date *13th June 1927*

COMPASSES.

Distance between electric generators or motors and standard compass *80 c/b*

Distance between electric generators or motors and steering compass *85 c/b*

The nearest cables to the compasses are as follows:-

A cable carrying *13* Ampères *9* feet from standard compass *9* feet from steering compass.

A cable carrying *25* Ampères *25* feet from standard compass *21* feet from steering compass.

A cable carrying *10* Ampères *25* feet from standard compass *21* 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 *nil* degrees on *every* course in the case of the standard compass, and *nil* degrees on *every* course in the case of the steering compass.

X Maatschappij voor Scheeps- en Werktuigbouw

"FIJENOORD"

Builder's Signature. Date

Is this installation a duplicate of a previous case *Yes* If so, state name of vessel *MV TELENE*

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

*been fitted in accordance with the Society's Rules
was found in a good working order when tried
and in my opinion the Committee's
approval.*

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

JWD
23/6/27

Total Capacity of Generators *124* Kilowatts.

The amount of Fee ... *£ 392.00* When applied for, *16/6 1927*
Travelling Expenses (if any) £ *—* When received, *29.7.27*

J. J. Oetoo
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 24 JUN 1927*

Assigned *Elec. light*



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