

Rpt. 13.

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

No. 50695

3 SEP 1930

Date of writing Report 29. 7. 1930 When handed in at Local Office 1. 9. 1930 Port of GLASSGOW

No. in Survey held at GLASSGOW Date, First Survey 3. 4. 30 Last Survey 6. 8. 1930

Reg. Book. 76570 on the M.V. 'LAUREL': (Number of Visits.....10.....)

Built at GLASSGOW By whom built THE BLYTHSWOOD SHIPB. CO. LTD. Yard No. 28 Tons (Gross 100 14) (Net ) When built 1930

Owners REDERIKTIEG OIL TRANSPORTER. (OLSON &amp; BRIGHT A/S MANAGERS) Port belonging to STOCKHOLM.

Electric Light Installation fitted by MESSRS TROUP CURTIS &amp; CO., LTD. Contract No. 28 When fitted 1930

System of Distribution 2 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 After end of Engine Room on Dynamo Flats 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 Before After end of Dynamo Flats, After end of Engine Room.

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

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 none, proportion of omnibus bars 1 1/2" x 3/8" Yes

individual fuses to voltmeter, pilot or earth lamp Yes, connections of switches Riffs

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches

D.P. Circuit Breakers D.P. Riffs switches for sub. circuits. Equalizer switches incorporated in Circuit Breakers

Instruments on main switchboard 2 ammeters 2 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 Earth Lamp System

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

008122.008128-0056 1/2



If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office *none fitted.*

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.				
	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 ...								
	ENGINE REVERSING GEAR ...								
	LUBRICATING OIL PUMPS ...								
	OIL FUEL TRANSFER PUMP								
	WINDLASS ... ..								
	WINCHES, FORWARD ... ..								
	WINCHES, AFT ... ..								
	STEERING GEAR—								
	(a) MOTOR GENERATOR...								
	(b) MAIN MOTOR ... ..								
	WORKSHOP MOTOR ... ..	1	.0284	7	.064	41	224 feet	V. I. R	L. C. A. T. B
	VENTILATING FANS	2	.008	3	.036	4		V. I. R	L. C. A. T. B
	De Laval motors	3	.0104	17	.044	18	330 feet	V. I. R	L. C. A. T. B
	" " " hoists	2	.01	19	.044	54	168 feet	V. I. R	L. C. A. T. B



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.

FOR TROUP, CURTIS & Co. LTD.

*[Signature]*

Electrical Engineers.

Date 25<sup>th</sup> August 1930

#### COMPASSES.

Distance between electric generators or motors and standard compass 309 FEET

Distance between electric generators or motors and steering compass 301 FEET

The nearest cables to the compasses are as follows:—

A cable carrying 9.5" Ampères 9 feet from standard compass 11 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 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 AND NO ERROR FOUND.

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

BLYTHSWOOD SHIPBUILDING CO., LTD.

*[Signature]*

Builder's Signature.

Date 29<sup>th</sup> Aug. 1930

Is this installation a duplicate of a previous case N If so, state name of vessel \_\_\_\_\_

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

*The installation has been fitted on board under special survey, listed under full working conditions and found satisfactory. The materials and workmanship were found to be good and sound.*

*It is submitted that  
this vessel is eligible for  
THE RECORD, Etec. Light.*

*[Signature]*  
10/9/30

Total Capacity of Generators 30 Kilowatts.

The amount of Fee ... £ 22 : 10 : 0 When applied for, 1/8/1930

Travelling Expenses (if any) £ — : — : — When received, 4/8/1930

*[Signature]*  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 2-SEP 1930

Assigned

*Elec Light*



© 2020

Lloyd's Register  
Foundation