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Rpt. 13.

# REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 20224

Port of New York Date of First Survey 12/18/20 Date of Last Survey 12/30/20 No. of Visits 2  
 No. in Reg. Book on the Iron or Steel S.S. "H.E. OGILVIE" Port belonging to NEW YORK  
 Built at Tebo Yacht Basin Company By whom Todd Shipyards Corp. When built 1920  
 Owners' Smclair Oil Company Owners' Address NEW YORK  
 Yard No. 19 Electric Light Installation fitted by Tebo Yacht Basin Company When fitted 1920

## DESCRIPTION OF DYNAMO, ENGINE, ETC.

Capacity of Dynamo 10 K. W. Amperes at 86-110 Volts, whether continuous or alternating current Continuo  
 Where is Dynamo fixed Engine room Whether single or double wire system is used Double  
 Position of Main Switch Board Starboard Side Eng. room having switches to groups of lights, &c., as below  
 Positions of auxiliary switch boards and numbers of switches on each Engine room Passage Pilot house & forepeak

If fuses are fitted on main switch board to the cables of main circuit Yes and on each auxiliary switch board to the cables of auxiliary circuits Yes and at each position where a cable is branched or reduced in size Yes and to each lamp circuit Yes  
 If vessel is wired on the double wire system are fuses fitted to both flow and return wires or cables of all circuits including lamp circuits Yes  
 Are the fuses of non-oxidizable metal Yes and constructed to fuse at an excess of 10 per cent over the normal current  
 Are all fuses fitted in easily accessible positions yes Are the fuses of standard dimensions Yes If wire fuses are used are permanent instructions fitted on or near each switch board giving particulars of proper size of fuse for each circuit Inclosed fu  
 Are all switches and fuses constructed of incombustible materials and fitted on incombustible bases Yes

Total number of lights provided for 88 arranged in the following groups:—

A	16	lights each of 25 watt	candle power requiring a total current of	4	Amperes
B	26	lights each of " "	candle power requiring a total current of	7	Amperes
C	44	lights each of " "	candle power requiring a total current of	11	Amperes
D	2	lights each of " "	candle power requiring a total current of	1	Amperes
E	3	lights each of	candle power requiring a total current of	1	Amperes
	1	Mast head light with 1 lamps each of 32	candle power requiring a total current of	2	Amperes
	2	Side light with 1 lamps each of "	candle power requiring a total current of		
	3	Cargo lights of 5-16	candle power, whether incandescent or arc lights	7½	

If arc lights, what protection is provided against fire, sparks, &c. Inclosed

Where are the switches controlling the masthead and side lights placed Pilot house

## DESCRIPTION OF CABLES.

Main cable carrying 35 Amperes, comprised of 2 wires, each #2/0 S.W.G. diameter, \_\_\_\_\_ square inches total sectional area  
 Branch cables carrying 11 Amperes, comprised of 2 wires, each #10 S.W.G. diameter, \_\_\_\_\_ square inches total sectional area  
 Branch cables carrying 4 Amperes, comprised of 2 wires, each #14 S.W.G. diameter, \_\_\_\_\_ square inches total sectional area  
 Leads to lamps carrying \_\_\_\_\_ Amperes, comprised of \_\_\_\_\_ wires, each \_\_\_\_\_ S.W.G. diameter, \_\_\_\_\_ square inches total sectional area  
 Cargo light cables carrying \_\_\_\_\_ Amperes, comprised of \_\_\_\_\_ wires, each \_\_\_\_\_ S.W.G. diameter, \_\_\_\_\_ square inches total sectional area

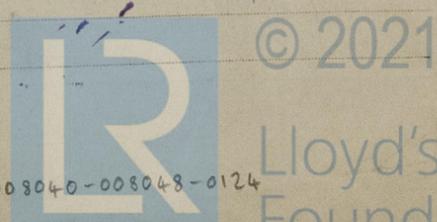
## DESCRIPTION OF INSULATION, PROTECTION, ETC.

Joints in cables, how made, insulated, and protected Spliced, soldered and taped

Are all the joints of cables thoroughly soldered, and the flux used not containing acids or other corrosive substances Yes Are all joints in accessible positions, none being made in bunkers, cargo spaces, or spaces which may at any time be used for carrying cargo, stores, or baggage \_\_\_\_\_

Are there any joints in or branches from the cable leading from dynamo to main switch board No

How are the cables led through the ship, and how protected Conduit



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**DESCRIPTION OF INSULATION, PROTECTION, ETC.—continued.**

Are they in places always accessible Yes

What special protection has been provided for the cables in open alleyways or where exposed to weather or moisture... Conduit

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat Conduit

What special protection has been provided for the cables near boiler casings Conduit asbestos wire

What special protection has been provided for the cables in engine room " " "

How are cables carried through beams Conduit through bulkheads, &c.

How are cables carried through decks "

Are any cables run through coal bunkers No or cargo spaces No or spaces which may be used for carrying cargo, stores, or baggage No

If so, how are they protected \_\_\_\_\_

Are any lamps fitted in coal bunkers or spaces which may at times be used for cargo, coals, or baggage No

If so, how are the lamp fittings and cable terminals specially protected \_\_\_\_\_

Where are the main switches and fuses for these lights fitted \_\_\_\_\_

If in the spaces, how are they specially protected \_\_\_\_\_

Are any switches or fuses fitted in bunkers \_\_\_\_\_

Cargo light cables, whether portable or permanently fixed Portable How fixed \_\_\_\_\_

In vessels fitted on the single wire system, how is the dynamo terminal fixed to the hull of vessel Two wire

How are the returns from the lamps connected to the hull \_\_\_\_\_

Are all the joints with the hull in accessible positions \_\_\_\_\_

Is the installation supplied with a coltmeter Yes, and with an amperemeter Yes, fixed Yes

**VESSELS BUILT FOR CARRYING PETROLEUM.**

In vessels built for carrying petroleum, are all switches and fuses fitted in positions not liable to the accumulation of petroleum vapour or gas Yes

Are any switches, fuses, or joints of cables fitted in the pump room or companion No

How are the lamps specially protected in places liable to the accumulation of vapour or gas Vaporproof fixtures

The copper used is guaranteed to have a conductivity of not less than that of the Engineering Standards Committee's standard, and the wires are protected by tinning from the sulphur compounds present in the insulating material.

Insulation of cables is guaranteed to have a resistance of not less than 600 megohms per statute mile at 60° Fahrenheit after 24 hours' immersion in water, the test being made after one minute's electrification at not less than 500 volts and while the cable is still immersed.

The foregoing statements are a correct description of the Electric Light installation fitted by us on this vessel and we declare that it is at this date in good order and safe working condition.

*Jebs Yacht Basin Co.  
R. McElroy*

Electrical Engineers

Date Apr. 14, '21

**COMPASSES.**

Distance between dynamo or electric motors and standard compass 70 feet

Distance between dynamo or electric motors and steering compass 80 feet

The nearest cables to the compasses are as follows:—

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

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

*Jebs Yacht Basin Co.  
R. McElroy*

Builder's Signature.

Date Apr. 14, '21

**GENERAL REMARKS.**

*The Electric Lighting Installation has been fitted under special survey and is accordance with the Rules, and on completion has been tested out under full working conditions with satisfactory results.*

*It is submitted that this vessel is eligible for THE RECORD. Elec Light Rell 2/2/21*

*John Robson*  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

New York APR 26 1921

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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