

TUE 18 JAN 1921

REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 365

Port of Jacksonville, Fla. Date of First Survey 6th October Date of Last Survey 21st Dec No. of Visits 12
 No. in Reg. Book on the Steel Single Screw Steamer "PEARLDON" Port belonging to New York
 Built at Savannah, Ga. By whom Serry S. B. Corp. When built 1920
 Owners U.S. Mex Oil Corp. Owners' Address 26 Beaver Street, New York
 Yard No. 115 Electric Light Installation fitted by Serry S. B. Corp. When fitted 1920

DESCRIPTION OF DYNAMO, ENGINE, ETC.

General Electric Co. Generator + Engine 8 x 6
2-15 K.W. 125 Vols.

Capacity of Dynamo 135 Amperes at 125 Volts, whether continuous or alternating current Continuous
 Where is Dynamo fixed Auxiliary machine flat. Whether single or double wire system is used Double
 Position of Main Switch Board Auxiliary machine flat. having switches to groups A. B. C. D + E. of lights, &c., as below
 Positions of auxiliary switch boards and numbers of switches on each none.

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

Are the fuses of non-oxidizable metal yes. and constructed to fuse at an excess of 25 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 no wire fuses used

Are all switches and fuses constructed of incombustible materials and fitted on incombustible bases yes.

Total number of lights provided for 175 arranged in the following groups:—

A Forecastle	17 lights each of	20	candle power requiring a total current of	$\frac{1}{4}$	Amperes
B Bridge Deck	39 lights each of	20	candle power requiring a total current of	$\frac{1}{4}$	Amperes
C Running Lights	11 lights each of	50	candle power requiring a total current of	$\frac{1}{2}$	Amperes
D Poop Deck	13 lights each of	20	candle power requiring a total current of	$\frac{1}{4}$	Amperes
E Eng. + Brk. Rm.	45 lights each of	32	candle power requiring a total current of	$\frac{1}{2}$	Amperes
1 Mast head light with	2 lamps each of	50	candle power requiring a total current of	1	Amperes
2 Side light with	2 lamps each of	50	candle power requiring a total current of	1	Amperes
6 Cargo lights of	1000 Lites		candle power, whether incandescent or arc lights	<u>incandescent</u>	

If arc lights, what protection is provided against fire, sparks, &c. no arc lights

Where are the switches controlling the masthead and side lights placed Pilot House.

DESCRIPTION OF CABLES.

Main cable carrying	150	Amperes, comprised of	80	wires, each	3	S.W.G. diameter,	.420	square inches total sectional area
Branch cables carrying	50	Amperes, comprised of	6	wires, each	2	S.W.G. diameter,	.186	square inches total sectional area
Branch cables carrying	35	Amperes, comprised of	8	wires, each	2	S.W.G. diameter,	.144	square inches total sectional area
Leads to lamps carrying	15	Amperes, comprised of	14	wires, each	2	S.W.G. diameter,	.075	square inches total sectional area
Cargo light cables carrying	15	Amperes, comprised of	14	wires, each	2	S.W.G. diameter,	.075	square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

Ridged conduit + Rubber covered wire

Joints in cables, how made, insulated, and protected with approved junction blocks

Are all the joints of cables thoroughly soldered, and the flux used not containing acids or other corrosive substances none 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 none

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 Ridged conduit.



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