

REPORT ON ELECTRIC LIGHTING INSTALLATION.

No. 20539

Port of New York Date of First Survey 6 April Date of Last Survey 7 July 1921 No. of Visits 12
 No. in Reg. Book on the Iron or Steel Screw Oil Tanker VICTOLITE Port belonging to Victoria. B.C.
 Built at Kearny, New Jersey By whom Federal Ship Building Co When built 1921
 Owners Standard Oil Company of New Jersey Owners' Address 26 Broadway, New York
 Yard No. 49 Electric Light Installation fitted by Federal Ship Building Co When fitted 1921

DESCRIPTION OF DYNAMOS ENGINES ETC. 2 - 20 K.W. 110/125 Volts. multipolar flat compound wound generators each direct connected to a 9x7 Vertical Steam reciprocating engine having automatic cut off & forced lubrication
10 K.W. 115 Volt Multipolar flat compound wound generator direct connected to a 4 cycle 4 cylinder gasolene engine

Capacity of Dynamos 182 MAIN Amperes at 110 Volts, whether continuous or alternating current CONTINUOUS.
91 AUX.

Where is Dynamo fixed ENGINE ROOM ON DYNAMO FLAT Whether single or double wire system is used DOUBLE

Position of Main Switch Board ON DYNAMO FLAT having switches to groups (5) A.B.C.D.E. of lights, &c., as below
 Positions of auxiliary switch boards and numbers of switches on each 1 Auxiliary Switchboard located in 5mer Gen room in Forecastle, 3 lighting distribution panels, 2 having 12 switches each + 1 having 4 switches, 1 Main panel having 8 switches for distribution, located on saloon deck.

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 50 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.

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

Total number of lights provided for 380 arranged in the following groups :-

Group	Number of Lights	Lights each of	Watts	Candle Power	Requiring a total current of	Amperes
A	134	50	50	61	61	Amperes
B	42	50	50	19.2	19.2	Amperes
C	12	50	50	5.5	5.5	Amperes
	22	50	50	10.0	10.0	Amperes
D	13	50	50	5.9	5.9	Amperes
	48	50	50	21.8	21.8	Amperes
E	99	50	50	40.45	40.45	Amperes
	2	32	32	4.0	4.0	Amperes
	2	32	32	4.0	4.0	Amperes

3 Cargo lights of 500 WATTS candle power, whether incandescent or arc lights INCANDESCENT.
10 additional lights for signalling & lighting
 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 On Tell tale panel in pilot house.

DESCRIPTION OF CABLES.

Carrying	Amperes	Comprised of	Wires	Each	A.W.G. diameter	Square inches total sectional area
Main cables	175	2	2	#4	211.000	211.000
Branch cables	40.45	2	2	#2	133.100	133.100
Branch cables	19.2	2	2	#4	41.740	41.740
Leads to lamps	1/2	2	2	#14	4.107	4.107
Cargo light cables	4.55	2	2	#14	4.107	4.107

DESCRIPTION OF INSULATION, PROTECTION, ETC.
Rubber covered, double braided wires pulled in rigid iron conduit, galvanised

Joints in cables, how made, insulated, and protected Soldered joints, covered with rubber insulation & friction tape, joints made with a non-corrosive flux.

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 YES.

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 Through rigid iron conduit with additional protection where required

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