

REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 26343

Port of Sunderland Date of First Survey 5 Jan Date of Last Survey 14 Aug 15 No. of Visits 3
 No. in Reg. Book on the Iron or Steel S.S. "Indian City" Port belonging to Bideford
 Supp Built at Sunderland By whom Wm Doxford & Sons Ltd When built 1915
 Owners Inglow & Co Ltd (W.R. Smith & Son) Owners' Address
 Yard No. 471 Electric Light Installation fitted by Sunderland Forge & Eng Co Ltd When fitted 1915

DESCRIPTION OF DYNAMO, ENGINE, ETC.

One multipolar compound wound dynamo coupled direct to open type engine

Capacity of Dynamo 80 Amperes at 100 Volts, whether continuous or alternating current continuous

Where is Dynamo fixed Std. side bottom E.R. Whether single or double wire system is used double

Position of Main Switch Board close to plan having switches to groups 3 of lights, &c., as below

Positions of auxiliary switch boards and numbers of switches on each one in chartroom, controlling 2 masthead
2 side, 2 telegraph, 2 compasses and 1 morse.

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 100 per cent over the normal current

Are all fuses fitted in easily accessible positions yes Are the fuses of standard dimensions no 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 yes

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

Total number of lights provided for 126 arranged in the following groups:—

A	64	lights each of	16	candle power requiring a total current of	35.84	Amperes
B	36	lights each of	16	candle power requiring a total current of	20.16	Amperes
C	26	lights each of	16	candle power requiring a total current of	14.56	Amperes
D		lights each of		candle power requiring a total current of		Amperes
E		lights each of		candle power requiring a total current of		Amperes
	2	Mast head light with 1 lamps each of	32 d.f.	candle power requiring a total current of	2.24	Amperes
	2	Side light with lamps each of	32 d.f.	candle power requiring a total current of	2.24	Amperes
	5	Cargo lights of	5-16	candle power, whether incandescent or arc lights	incandescent	

If arc lights, what protection is provided against fire, sparks, &c. there are none

Where are the switches controlling the masthead and side lights placed in chartroom

DESCRIPTION OF CABLES.

Main cable carrying 70.56 Amperes, comprised of 19 wires, each 16 S.W.G. diameter, .060 square inches total sectional area

Branch cables carrying 35.84 Amperes, comprised of 7 wires, each 15 S.W.G. diameter, .028 square inches total sectional area

Branch cables carrying 20.16 Amperes, comprised of 7 wires, each 18 S.W.G. diameter, .0125 square inches total sectional area

Leads to lamps carrying 2.24 Amperes, comprised of 1 wires, each 18 S.W.G. diameter, .0018 square inches total sectional area

Cargo light cables carrying 2.80 Amperes, comprised of 1 wires, each 18 S.W.G. diameter, .0018 square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

In berths etc., L.C.

In engineroom etc., A & B.

Mains & masts V.I.R. in iron pipe.

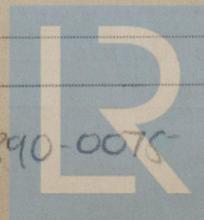
Joints in cables, how made, insulated, and protected

There are none.

Are all the joints of cables thoroughly soldered, and the flux used not containing acids or other corrosive substances ✓ 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 V.I.R. in iron pipe.



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