

REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 38162

Port of Glasgow Date of First Survey June 25 1918 Date of Last Survey Sept 12 1918 No. of Visits 21
 No. in on the Iron or Steel Macharda Port belonging to Liverpool
 Reg. Book 54 Built at Port Glasgow By whom Messrs Russell & Co When built 1918
 Owners Messrs T. & J. Brodie Bank Ltd Owners' Address
 Yard No. 710 Electric Light Installation fitted by Messrs H. T. Robakson & Co When fitted 1918

DESCRIPTION OF DYNAMO, ENGINE, ETC.

Two dynamo, compound wound multipolar (4 pole) type, each dynamo coupled direct to a vertical engine having cylinder 8" x 4" @ 240 rev.
 Capacity of Dynamo each 150 Amperes at 100 Volts, whether continuous or alternating current continuous
 Where is Dynamo fixed Engine room starting platform Whether single or double wire system is used Double wire
 Position of Main Switch Board near dynamo having switches to groups A, B, C, D, E, F of lights, &c., as below
 Positions of auxiliary switch boards and numbers of switches on each No auxiliary switch boards

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 wire 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 189 arranged in the following groups:—

Group	Lights each of	Candle power requiring a total current of	Amperes
A			
B			
C			
D			
E			

Two Mast head light with 1 lamp each of 2 1/2 candle power requiring a total current of included in D Amperes

Two Side light with 1 lamp each of 8 candle power requiring a total current of " Amperes

Two Cargo lights of 96 candle power, whether incandescent or arc lights Both

If arc lights, what protection is provided against fire, sparks, &c. Strong hexagon glazed lanterns & double enclosed globe

Where are the switches controlling the masthead and side lights placed Chart room & master switch on Bridge

DESCRIPTION OF CABLES.

Cable Type	Amperes	Wires	Each Wire S.W.G. diameter	Total sectional area square inches
Main cable carrying	150	37	15	151
Branch cables carrying	24	7	16	0225
Branch cables carrying	12.6	7	18	0124
Leads to lamps carrying	6	1	17	00246
Cargo light cables carrying	3.6	119	38	00322

DESCRIPTION OF INSULATION, PROTECTION, ETC.

Pure india rubber then vulcanising india rubber and rubber coated tape the whole vulcanised together, taped & lead covered in accommodation elsewhere galv wire armoured.

Joints in cables, how made, insulated, and protected

No joints

Are all the joints of cables thoroughly soldered, and the flux used not containing acids or other corrosive substances No joints 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 No joints

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 Forward under Bridge deck, & Forward twin decks aft thro shaft tunnel to poop, galv wire armouring.

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

Lead covered in

galv^d iron pipes

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

Lead covered & armoured

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

Lead covered & armoured

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

Armoured with galv^d wire armouring

How are cables carried through beams

In lead bushes through bulkheads, &c. with tight glands

How are cables carried through decks

In Galv^d iron tubes

Are any cables run through coal bunkers

etc

or cargo spaces

yes

or spaces which may be used for carrying cargo, stores, or baggage

yes



© 2020

Lloyd's Register
Foundation