

REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 23358

Port of Sunderland Date of First Survey _____ Date of Last Survey _____ No. of Visits _____
 No. in _____ on the Iron or Steel "Mokawitz" Port belonging to _____
 Reg. Book _____ Built at Sunderland By whom J. L. Thompson & Sons Ltd When built _____
 Owners _____ Owners' Address _____
 Yard No. _____ Electric Light Installation fitted by Sunderland Forge Co Ltd When fitted _____

DESCRIPTION OF DYNAMO, ENGINE, ETC.

Multipolar compound wound Dynamo direct coupled to
"Fallon" open type Engine.
 Capacity of Dynamo 180 Amperes at 65 Volts, whether continuous or alternating current continuous
 Where is Dynamo fixed in Engine Room. Whether single or double wire system is used Double
 Position of Main Switch Board close to Dynamo having switches to groups 4 of lights, &c., as below
 Positions of auxiliary switch boards and numbers of switches on each _____
 If cut outs 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 cut outs fitted to both flow and return wires or cables of all circuits including lamp circuits yes
 Are the cut outs of non-oxidizable metal yes and constructed to fuse at an excess of 100 per cent over the normal current
 Are all cut outs 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 yes
 Are all switches and cut-outs constructed of incombustible materials and fitted on incombustible bases yes
 Total number of lights provided for 115. 16cp arranged in the following groups:— 4 2-15 amp Arc Lamps & Projectors
 A 45 Inc & 1 Arc lights each of 16 candle power requiring a total current of 60 Amperes
 B 45 lights each of 16 candle power requiring a total current of 43 Amperes
 C 25 Inc & 1 Arc lights each of 16 candle power requiring a total current of 38 Amperes
 D Projector lights each of Mains only supplied candle power requiring a total current of 1 Amperes
 E _____ lights each of _____ candle power requiring a total current of _____ Amperes
2 Mast head light with 1 lamps each of 32 2.7 candle power requiring a total current of .9 Amperes
2 Side light with 1 lamps each of 32 2.7 candle power requiring a total current of .9 Amperes
8 Cargo lights of 6 x 16 candle power, whether incandescent or arc lights incandescent
 If arc lights, what protection is provided against fire, sparks, &c. and 2-15 amp Arc Lamps fitted with Lantier
 Where are the switches controlling the masthead and side lights placed in Wheel House.

DESCRIPTION OF CABLES.

Main cable carrying 101 Amperes, comprised of 37 wires, each 15 L.S.G. diameter, .151 square inches total sectional area
 Branch cables carrying 60 Amperes, comprised of 19 wires, each 16 L.S.G. diameter, .0612 square inches total sectional area
 Branch cables carrying 40 Amperes, comprised of 19 wires, each 17 L.S.G. diameter, .0467 square inches total sectional area
 Leads to lamps carrying 1.8 Amperes, comprised of 1 wires, each 18 L.S.G. diameter, .00181 square inches total sectional area
 Cargo light cables carrying 5.44 Amperes, comprised of 7 wires, each 21 1/2 L.S.G. diameter, .0050 square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

Pure Rubber, Vulcanised Rubber, Taped & Braided, Mains the same.
in Iron Pipes, Berths etc as above & lead covered.
Engine Room Armoured & Braided.
 Joints in cables, how made, insulated, and protected There are none.
 Are all the joints of cables thoroughly soldered, resin only having been used as a flux _____ 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
 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 Iron Pipes

