

Rpt. 13.

No 62257

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office APR 24 1940

Date of writing Report 6th April 1940 When handed in at Local Office 20.4.40 Port of GLASGOW.
No. in Survey held at GREENOCK & GLASGOW. Date, First Survey 1939 Oct. 13 Last Survey 16th April 1940.
(Number of Visits 17)

Reg. Book. 39917 on the T.S. "LANARKSHIRE" Tons { Gross
Net

Built at GREENOCK. By whom built Greenock Dockyard Co. Ltd. Yard No. 437. When built 1940

Owners Scottish Shire Line Ltd. Port belonging to Glasgow.

Electric Light Installation fitted by Sunderland Forge & Eng. Co. Ltd. Contract No. 437. When fitted 1940

Is the Vessel fitted for carrying Petroleum in bulk

System of Distribution two wire. volts, Power 220 volts.

Pressure of supply for Lighting 220. volts, Heating — Power direct.

Direct or Alternating Current, Lighting direct. Power

If alternating current system, state frequency of periods per second

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off

Generators, do they comply with the requirements regarding temperature rise

are they over compounded 5 per cent.

Where more than one generator is fitted are they arranged to run in parallel

series with each shunt field

approved

Are all terminals accessible, clearly marked, and furnished with sockets

short circuited, or touched

Position of Generators in engine room.

in way of the generators satisfactory

woodwork or other combustible material, state distance of same horizontally from or vertically above the generators

are the generators protected from mechanical injury and damage from water, steam or oil

Earthing, are the bedplates and frames of the generating plant efficiently earthed

in metallic contact

Main Switch Boards, where placed

If the generators and main switchboard are not placed in the same compartment, is each generator provided with

a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard

Switchboards, are they placed in accessible position, free from inflammable gases and acid fumes

injury and damage from water, steam or oil

horizontally from or vertically above the switchboards

materials

is it of an approved type

non-hygroscopic insulating material, and the slab similarly insulated from its framework

type

accessibility of all parts

omnibus bars

"off" position

switches

Are turbine driven generators fitted with emergency trip switch as per rule

fire-resisting material or lined with approved material

voltmeters

synchronising device for paralleling purposes. For compound machines is the ammeter connected on the opposite pole to equaliser connection

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Instruments on main switchboard 4 ammeters 3.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Switches, Circuit Breakers and Fusible Cut-outs,

do these comply with the requirements of the Rules

are the fusible cutouts of an approved type

have the reversed

each generator controlled by T.P.C.B. fitted with O/LOAD and Reverse Current trips. each outgoing circuit controlled by D.P. O/LOAD C.B. or D.P. Switch & D.P. Fuses.

Are cupboards or compartments containing switchboards composed of

Continuation of Report No. 62257 dated 16. 4. 40 on the

MOTOR. CONDUCTORS.

| DESCRIPTION. | NO. OF MOTORS. | CONDUCTORS. | | COMPOSITION OF STRAND. | | TOTAL MAX. CURRENT AMPERES. | | APPROX. LENGTH. (LEAD & RETURN) FEET. | INSULATED WITH. | HOW PROTECTED. |
|---------------------|----------------|--------------|---------------------|------------------------|-------|-----------------------------|-------|---------------------------------------|-----------------|----------------|
| | | NO PER POLE. | AREA/POLE SQ. INCH. | NO. | DIAM. | IN CIRCUIT. | RULE. | | | |
| REFRIG. WATER PUMPS | 2 | 1 | .0145 | 7 | .052 | 37 | 37 | 248 | V.I.R. | L.C.A.B. |
| BRINE PUMPS:- | 3 | 1 | .0225 | 7 | .064 | 40 | 46 | 172 | V.I.R. | L.C.A.B. |
| " | 2 | 1 | .01 | 7 | .044 | 24 | 31.0 | 180 | V.I.R. | L.C.A.B. |
| NO. 2. LTD&L. FANS | 2 | 1 | .0225 | 7 | .064 | 36 | 46.0 | 340 | V.I.R. | L.C.A.B. |
| NO. 2. HOLD FANS | 2 | 1 | .04 | 19 | .052 | 61 | 64 | 350 | V.I.R. | L.C.A.B. |
| NO. 3 LTD&L. FANS | 2 | 1 | .007 | 7 | .036 | 22 | 24 | 360 | V.I.R. | L.C.A.B. |
| " | 1 | 1 | .007 | 7 | .036 | 16 | 24 | 360 | V.I.R. | L.C.A.B. |
| NO. 3 HOLD. FANS | 2 | 1 | .0225 | 7 | .064 | 36 | 46 | 350 | V.I.R. | L.C.A.B. |
| NO. 4 LTD&L. FANS | 2 | 1 | .007 | 7 | .036 | 22 | 24 | 320 | V.I.R. | L.C.A.B. |
| " | 1 | 1 | .007 | 7 | .036 | 16 | 24 | 320 | V.I.R. | L.C.A.B. |
| NO. 4 HOLD. FANS | 2 | 1 | .007 | 7 | .036 | 22 | 24 | 340 | V.I.R. | L.C.A.B. |
| NO. 5 LTD&L. FANS | 2 | 1 | .007 | 7 | .036 | 22 | 24 | 340 | V.I.R. | L.C.A.B. |
| " | 1 | 1 | .007 | 7 | .036 | 16 | 24 | 340 | V.I.R. | L.C.A.B. |
| NO. 5 HOLD. FANS | 2 | 1 | .0225 | 7 | .064 | 36 | 46 | 350 | V.I.R. | L.C.A.B. |

5m,6,38. (MADE IN ENGLAND.

© 2020
Lloyd's Register
Foundation

PARTICULARS OF GENERATING PLANT.

| DESCRIPTION OF GENERATOR. | No. of | RATED AT | | | | DRIVEN BY | WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE. | |
|---------------------------|--------|------------|--------|----------|----------------|---------------|--|----------------------|
| | | Kilowatts. | Volts. | Ampères. | Revs. per Min. | | Fuel Used. | Flash Point of Fuel. |
| MAIN ... | 3 | 125 | 220 | 570 | 500 | Steam engine. | | |
| AUXILIARY ... | | | | | | | | |
| EMERGENCY ... | 1 | 40 | 220 | 181. | 900 | I.C. engine | oil. | above 150°F. |
| ROTARY TRANSFORMER | | | | | | | | |

GENERATOR, LIGHTING AND HEATING CONDUCTORS.

| DESCRIPTION. | CONDUCTORS. | | COMPOSITION OF STRAND. | | TOTAL MAXIMUM CURRENT. AMPERES. | | Approximate Length. (Lead and Return.) Feet. | Insulated with | HOW PROTECTED. |
|-------------------------------|---------------|--------------------------------------|------------------------|-----------|---------------------------------|-------|--|----------------|----------------|
| | No. per Pole. | Total Nominal Area per Pole Sq. Ins. | No. | Diameter. | Circuit. | Rule. | | | |
| MAIN GENERATOR ... | 2 | .40 | 37 | .083 | 570 | 592 | 114 | VC. | L.C.B. |
| EQUALISER CONNECTIONS ... | 1 | .20 | 37 | .083 | | 296 | 56 | VC. | L.C.B. |
| AUXILIARY GENERATOR ... | 1 | .10. | 19 | .083 | 181. | 191. | 50 | VC. | L.C.A.B. |
| EMERGENCY GENERATOR | | | | | | | | | |
| ROTARY TRANSFORMER } MOTOR | | | | | | | | | |
| ENGINE ROOM... } FORD | 1 | .0045 | 7 | .029 | 16 | 18.2 | 120 | V.R. | L.C.A.B. |
| ENGINE ROOM... } AFT | 1 | .0045 | 7 | .029 | 16 | 18.2 | 100 | V.R. | L.C.A.B. |
| ENGINE ROOM... } | | | | | | | | | |
| AUXILIARY SWITCHBOARDS | | | | | | | | | |
| REFRIG. SW. Bd. | 3 | .60 | 37 | .083 | 730 | 888 | 180 | VC. | L.C.B. |
| MAIN SW. Bd. to Aux. SW. Bd. | 2 | .40 | 37 | .083 | 462 | 592 | 192 | VC. | L.C.B. |
| Aux. SW. Bd. to Aft. Main Bd. | 1 | .20 | 37 | .083 | 232 | 296 | 140 | VC. | L.C.B. |
| ACCOMMODATION | | | | | | | | | |
| NAVIGATION. DB. | 1 | .0145 | 7 | .062 | 15 | 37 | 606 | V.R. | L.C.A.B. |
| SALOON. DB. | 1 | .01 | 7 | .044 | 11.5 | 31.0 | 436 | V.R. | L.C.A.B. |
| WIRELESS | 1 | .0145 | 7 | .052 | 15 | 37 | 618 | V.R. | L.C.A.B. |
| SEARCHLIGHT | 1 | .002 | 3 | .029 | .18 | 7.8 | 464 | V.R. | L.C.A.B. |
| MASTHEAD LIGHT | 1 | .002 | 3 | .029 | .18 | 7.8 | 80 | V.R. | L.C.B. |
| SIDE LIGHTS | 1 | .002 | 3 | .029 | .07 | 7.8 | 45 | V.R. | L.C.B. |
| COMPASS LIGHTS | 1 | .0225 | 7 | .064 | 18.4 | 46.0 | 546 | V.R. | L.C.A.B. |
| POOP LIGHTS | 1 | .01 | 7 | .044 | 15 | 31.0 | 442 | V.R. | L.C.A.B. |
| CARGO LIGHTS } FORD | 1 | .007 | 7 | .036 | 9 | 24.0 | 468 | V.R. | L.C.A.B. |
| CARGO LIGHTS } AFT | 1 | .007 | 7 | .036 | 9 | 24.0 | 468 | V.R. | L.C.A.B. |
| ARC LAMPS | 1 | .0225 | 7 | .064 | 41 | 46 | 260 | V.R. | L.C.A.B. |
| HEATERS FUEL OIL. | | | | | | | | | |

MOTOR CONDUCTORS.

| DESCRIPTION. | No. of Motors. | CONDUCTORS. | | COMPOSITION OF STRAND. | | TOTAL MAXIMUM CURRENT. AMPERES. | | Approximate Length. (Lead and Return.) Feet. | Insulated with | HOW PROTECTED. |
|-------------------------|----------------|---------------|--------------------------------------|------------------------|-----------|---------------------------------|-------|--|----------------|----------------|
| | | No. Per Pole. | Total Nominal Area per Pole Sq. Ins. | No. | Diameter. | In Circuit. | Rule. | | | |
| BALLAST PUMP | | | | | | | | | | |
| MAIN BILGE LINE PUMPS | | | | | | | | | | |
| GENERAL SERVICE PUMP | | | | | | | | | | |
| EMERGENCY BILGE PUMP | 1 | 1 | .0225 | 7 | .064 | 36 | 46 | 160 | V.R. | L.C.A.B. |
| SANITARY PUMP | | | | | | | | | | |
| CIRC. SEA WATER PUMPS | | | | | | | | | | |
| CIRC. FRESH WATER PUMPS | | | | | | | | | | |
| AIR COMPRESSOR | | | | | | | | | | |
| FRESH WATER PUMP | 1 | 1 | .01 | 7 | .044 | 25 | 31.0 | 94 | V.R. | L.C.A.B. |
| ENGINE TURNING GEAR | 1 | 1 | .01 | 7 | .044 | 25 | 31.0 | 50 | V.R. | L.C.A.B. |
| ENGINE TURNING GEAR | 1 | 1 | .01 | 7 | .044 | 25 | 31.0 | 50 | V.R. | L.C.A.B. |
| LUBRICATING OIL PUMPS | | | | | | | | | | |
| OIL FUEL TRANSFER PUMP | | | | | | | | | | |
| WINDLASS | | | | | | | | | | |
| WINCHES, FORWARD | | | | | | | | | | |
| WINCHES, AFT | | | | | | | | | | |
| STEERING GEAR— | | | | | | | | | | |
| (a) MOTOR GENERATOR | | | | | | | | | | |
| (b) MAIN MOTOR | 1 | 1 | .0045 | 7 | .029 | 16 | 18.2 | 70 | V.R. | L.C.A.B. |
| WORKSHOP MOTOR | | | | | | | | | | |
| VENTILATING FANS | | | | | | | | | | |
| ENGINE ROOM. FANS DB. | 2 | 1 | .0225 | 7 | .064 | 34 | 46.0 | 160 | V.R. | L.C.A.B. |
| FORCED DRAUGHT FAN | 1 | 1 | .10 | 19 | .083 | 181 | 191 | 260 | VC. | L.C.A.B. |
| STARTING PUMP. BLK FUEL | 1 | 1 | .002 | 3 | .029 | 2.8 | 7.8 | 180 | V.R. | L.C.A.B. |
| OIL PURIFIERS | 1 | 1 | .002 | 3 | .036 | 9 | 12.0 | 70 | V.R. | L.C.A.B. |
| OIL FUEL PUMP | 1 | 1 | .007 | 7 | .036 | 21 | 24.0 | 260 | V.R. | L.C.A.B. |

All Conductors are of annealed copper conforming to British Standard Specification No. 7 (or International Electro-technical Commission Publication No. 28).

The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.

The foregoing is a correct description.

P.ROO. THE SUNDERLAND FORGE & ENGINEERING CO. LTD. Electrical Engineers.

Date 13th April 1940.

COMPASSES.

Distance between electric ~~generators~~ or motors and standard compass

25 feet

Distance between electric ~~generators~~ or motors and steering compass

20 feet

The nearest cables to the compasses are as follows:—

A cable carrying .07 Ampères led into feet from standard compass led into feet from steering compass.

A cable carrying 15. Ampères 15. feet from standard compass 10. feet from steering compass.

A cable carrying Ampères feet from standard compass feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power

yes

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted

yes

The maximum deviation due to electric currents was found to be nil degrees on the course in the case of the standard compass, and nil degrees on the course in the case of the steering compass.

THE GREENOCK DOCKYARD CO. LTD.

W. Macanney

Builder's Signature.

Date 16th Apr 1940

Is this installation a duplicate of a previous case no. If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, etc.)

The electrical equipment

of this vessel has been fitted on board under special survey. Tested under full working conditions and found satisfactory. The material and workmanship are good.

Noted
26/4/40.

Gib
20/4/40

Total Capacity of Generators 415 Kilowatts.

The amount of Fee Glasgow 4/5. 142-12-0. When applied for, London 5/10. 13-0. as per

Travelling Expenses (if any) Glasgow 1/1-5-4. When received, London 1/6-7-6 6-5-19 40/-

Committee's Minute GLASGOW 23 APR 1940

Assigned See LUK 20943

L. C. Findlay

Surveyor to Lloyd's Register of Shipping.



© 2020

Lloyd's Register Foundation