

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

3 SEP 1943

Received at London Office.....

Date of writing Report... 20.8.43 When handed in at Local Office... 31.8.43 Port of... BARROW.

No. in Survey held at... BARROW. Date, First Survey... 28.5.43 Last Survey... 16.8.43 Reg. Book. (Number of Visits... 20)

on the... s.s. "EMPIRE VICEROY" Tons {Gross... 7803 Net... 4475

Built at... BARROW. By whom built... VICKERS-ARMSTRONGS LTD. Yard No... 858 When built... 1943

Owners... The Ministry of War Transport Port belonging to... BARROW.

Electrical Installation fitted by... VICKERS-ARMSTRONGS LTD. Contract No... 858 When fitted... 1943

Is vessel fitted for carrying Petroleum in bulk... No. Is vessel equipped with D.F... YES E.S.D... YES Gy.C... YES Sub.Sig... No ASDIC... FITTED

Have plans been submitted and approved... Yes System of Distribution... Two line Voltage of supply for Lighting... 220

Heating... Power... 220 Direct or Alternating Current, Lighting... Direct Power... Direct If Alternating Current state periodicity... Prime Movers,

has the governing been tested and found as per Rule when full load is suddenly thrown on and off... Yes Are turbine emergency governors fitted with a

trip switch as per Rule... Generators, are they compound wound... Yes, are they level compounded under working conditions... Yes,

if not compound wound state distance between generators... and from switchboard... Where more than one generator is fitted are they

arranged to run in parallel... Yes, are shunt field regulators provided... Yes Is the compound winding connected to the negative or positive pole

negative... Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing... Yes Have certificates of

test for machines under 100 kw. been supplied... Yes and the results found as per rule... Yes Are the lubricating arrangements and the construction

of the generators as per rule... Yes Position of Generators... On generator flat aft end of Engine Room.

is the ventilation in way of generators satisfactory... Yes are they clear of inflammable material... Yes, if situated

near unprotected combustible material state distance from same horizontally... and vertically... are the generators protected from mechanical

injury and damage from water, steam and oil... Yes, are the bedplates and frames earthed... Yes and the prime movers and generators in metallic

contact... Yes Switchboards, where are main switchboards placed... In Engine Room adjacent to generators.

are they in accessible positions, free from inflammable gases and acid fumes... Yes, are they protected from mechanical injury and damage from water, steam

and oil... Yes, if situated near unprotected combustible material state distance from same horizontally... and vertically... what insulation

material is used for the panels... Sindamyo, if of synthetic insulating material is it an Approved Type... Yes, if of

semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule... Is the frame effectually earthed... Yes

Is the construction as per Rule... Yes, including accessibility of parts... Yes, absence of fuses on the back of the board... Yes, individual fuses

to pilot and earth lamps, voltmeters, etc... Yes, locking of screws and nuts... Yes, labelling of apparatus and fuses... Yes, fuses on the "dead"

side of switches... Yes Description of Main Switchgear for each generator and arrangement of equaliser switches... 1000 amp. Triple pole

Circuit breakers (one pole equalisers) fitted with overload and reverse current trips,

and for each outgoing circuit... Either Double pole circuit breaker or Double pole switch and

Double-pole fuses.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule... Yes Instruments on main switchboard... 12

ammeters... 5 voltmeters... synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection... Yes Earth Testing, state means provided... Earth lamps.

Switches, Circuit Breakers and Fuses, are they as per Rule... Yes, are the fuses an approved type... Yes, are all fuses labelled as

per Rule... Yes If circuit breakers are provided for the generators, at what overload current did they open when tested... 1000 amp, are the reversed current

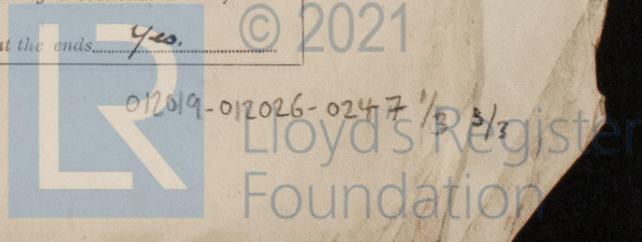
protection devices connected on the pole opposite to the equaliser connection... Yes, have they been tested under working conditions, and at what current

did they operate... 80 amp. R.C. Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule... Yes

Cables, are they insulated and protected as per the appropriate Tables of the Rules... Yes, if otherwise than as per Rule are they of an approved type... Yes

state maximum fall of pressure between bus bars and any point under maximum load... 1/16 are the ends of all cables having a sectional area of 0.04

square inch and above provided with soldering sockets... Yes Are paper insulated and varnished cambric insulated cables sealed at the ends... Yes



with insulating compound — or waterproof insulating tape Yes. Are all the cable runs in accessible positions, not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical damage Yes, are cables laid under machines or floorplates No, if so, are they adequately protected —. Are cables in machinery spaces, galleys, laundries, etc., lead covered Yes or run in conduit —. State how the cables are supported and protected All cables are either V.C. or rubber insulated and lead covered. Main feeds run through. Cargo spaces protected by sheet steel covers, cables in machinery spaces clipped to steel ways protected as necessary. Accommodation etc clipped to ways or descent to bulkheads and decks.

Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes. Refrigerated chambers, are the cables and fittings as per Rule Yes.

Are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holes effectually bushed Yes and with what material Lead. Alternative Lighting, are the groups of lights in the engine and boiler rooms arranged as per Rule Yes. Emergency Supply, state position — and method of control —.

Navigation Lamps, are they separately wired Yes controlled by separate double pole switches Yes and fuses Yes. Are the switches and fuses in a position accessible only to the officers on watch Yes, is an automatic indicator fitted Yes. Secondary Batteries, are they constructed and fitted as per Rule —, are they adequately ventilated — what is the battery capacity in ampère hours —.

Fittings, are all fittings on weather decks, in stokeholds and engine rooms and wherever exposed to drip or condensed moisture, weatherproof Yes. Are fittings installed where readily combustible materials or inflammable or explosive dust or gases are likely to be present —, if so, how are they protected — and where are the controlling switches fitted —, are all fittings suitably ventilated Yes, are all fittings and accessories constructed and installed as per Rule Yes. Searchlight Lamps, No. of —, whether fixed or portable —, are their fittings as per Rule —. Heating and Cooking, is the general construction as per Rule Yes, are the frames effectually earthed Yes, are heaters in the accommodation of the convection type ONE ONLY ADMIRALTY PAT. NO 5117. Motors, are all motors constructed and installed as per Rule Yes and placed in well-ventilated compartments in which inflammable gases cannot accumulate and free from damage from water, steam and oil Yes, if situated near unprotected combustible material state minimum distance from same horizontally — and vertically —. Are motors coupled to oil fuel transfer and unit pressure pumps capable of being stopped from a position accessible in the event of fire in the pump compartment Yes. Have motors of 100 BHP and over been inspected by the Surveyors during manufacture and testing —. Have certificates of test for motors under 100 BHP intended for essential services been supplied and the results found as per Rule Yes. Control Gear and Resistances, are they constructed and fitted as per Rule Yes. Lightning Conductors, where required are they fitted as per Rule —. Ships carrying Oil having a Flash Point less than 150° F. Have all the special requirements of the Rules for such ships been complied with —, are all fuses of the cartridge type — are they of an approved type —. Are the fittings for pump rooms, 'tween deck spaces, etc., in accordance with the special requirements for such ships —. Are the cables lead covered as per Rule —. Spare Gear, if the vessel is for open sea service have spares been provided as per Rule Yes, are they suitably stored in dry situations Yes. Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory Yes.

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 | 150 | 220 | 819 | 550 | Oil Engines | Heavy Oil | Above 150° F |
| AUXILIARY | 1 | 10 | 220 | 45.5 | 1000 | " | " | " |
| EMERGENCY | | | | | | | | |
| ROTARY TRANSFORMER | | | | | | | | |

GENERATOR CABLES.

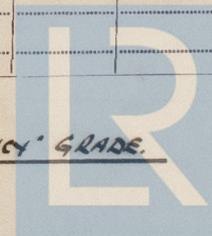
| DESCRIPTION. | KILOWATTS. | CONDUCTORS. | | MAXIMUM CURRENT IN AMPERES. | | APPROX. LENGTH (lead plus return feet). | INSULATED WITH. | HOW PROTECTED. |
|---------------------------|------------|---------------------------|--|-----------------------------|-------|---|-----------------|----------------|
| | | No. in Parallel Per Pole. | Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm. | In the Circuit. | Rule. | | | |
| MAIN GENERATOR ... | 150 | 2 | 61.093 | 819 | 928 | 36 | V.C. | Lead Covered |
| " " EQUALISER ... | - | 1 | 61.093 | - | 464 | 18 | " | " |
| AUXILIARY GENERATOR | 10 | 1 | 71.064 | 45.5 | 46 | 56 | RUBBER | " |
| EMERGENCY GENERATOR | | | | | | | | |
| ROTARY TRANSFORMER: MOTOR | | | | | | | | |
| " " GENERATOR | | | | | | | | |

MOTOR CABLES.

V. D.

| ALL IMPORTANT MOTORS TO BE ENUMERATED. | | CALCULATED | No. | B.H.P. | | | | | | | | V. D. | TOTAL |
|--|----------|-------------|-----|--------|---|--------|---------|-----|--------|--------|-------|-------|-------|
| | | | | | | | | | | | | | |
| WINDLASS | here | D | 1 | 48. | 1 | 37/103 | 190 | 435 | ✓ 1170 | V.C. | L. C. | 5.8 | 5.8 |
| STEERING GEAR | | H | 1 | 18½ | 1 | 19/083 | 107 | 191 | ✓ 180 | " | " | 1.77 | 1.77 |
| MAIN CIRCULATING PUMP. | | ER3 | 1 | 35/78 | 1 | 37/103 | 140/300 | 385 | ✓ 372 | " | " | 3.41 | 3.41 |
| EXTRACTION PUMPS. | | ER1 | 2 | 13½ | 1 | 19/052 | 54.5 | 104 | ✓ 96 | " | " | 1.22 | 3.70 |
| LUB OIL | " | " | 2 | 10/14 | 1 | 19/052 | 40/55 | 104 | ✓ 222 | " | " | 2.86 | 5.43 |
| BALLAST | " | " | 1 | 20/34 | 1 | 19/083 | 78/132 | 191 | ✓ 222 | " | " | 2.69 | 5.26 |
| OIL FUEL TRANSFER PUMP | | ER1, J1 | 1 | 8 | 1 | 7/064 | 32. | 46 | ✓ 30 | RUBBER | " | 0.38 | 3.14 |
| OIL FUEL PRESSURE PUMPS | | " | 2 | 3½/5 | 1 | 7/036 | 21 | 24 | ✓ 96 | " | " | 2.54 | 5.30 |
| WORKSHOP MOTOR. | | " | 1 | 3 | 1 | 7/036 | 13 | 24 | ✓ 42 | " | " | 0.69 | 3.45 |
| AUX. BOILER BLOWER MOTOR | | ER1, J1, D1 | 1 | 2½ | 1 | 7/029 | 11 | 15 | ✓ 84 | " | " | 1.81 | 5.45 |
| FIRE & BILGE PUMP. | | ER2 | 1 | 14/24 | 1 | 19/052 | 57/94 | 104 | ✓ 72 | V.C. | " | 1.59 | 2.76 |
| GENERAL SERVICE " | | " | 1 | 7/11 | 1 | 7/064 | 30/47 | 46 | ✓ 66 | RUBBER | " | 1.22 | 2.39 |
| ENGINE TURNING MOTOR. | | " | 1 | 8 | 1 | 7/064 | 32. | 46 | ✓ 126 | " | " | 1.60 | 2.77 |
| FORCED DRAUGHT FANS | | " | 2 | 30 | 1 | 19/064 | 116 | 135 | ✓ 222 | V.C. | " | 3.97 | 5.14 |
| GENERATOR COOLING PUMPS | | ER1, J1, D1 | 2 | 2¾ | 1 | 7/029 | 12 | 15 | ✓ 66 | RUBBER | " | 1.55 | 3.69 |
| REFRIGERATOR. | | ER1, J1 | 1 | 5 | 1 | 7/044 | 21 | 31 | ✓ 108 | " | " | 1.88 | 3.34 |
| FRESH WATER PUMPS. | | " | 1 | 4 | 1 | 7/036 | 16 | 24 | ✓ 96 | " | " | 1.94 | 3.40 |
| OIL PURIFIERS. | | ER1, J1, D1 | 3 | 1 | 1 | 3/036 | 5 | 10 | ✓ 66 | " | " | 0.94 | 3.11 |
| WARPING WINCH | here | A | 1 | 48. | 1 | 19/083 | 190 | 199 | ✓ 168 | V.C. | " | 2.94 | 2.94 |
| WINCHES FORWARD | 30 | A | 4 | 48 | 1 | 19/083 | 190 | 225 | ✓ 150 | V.C. | " | 2.22 | 7.22 |
| " | " | A | 2 | 26 | 1 | 19/052 | 105 | 113 | ✓ 150 | " | " | 3.4 | 8.4 |
| " | MIDSHIP. | B | 6 | 48 | 1 | 19/083 | 190 | 225 | ✓ 210 | " | " | 3.11 | 9.11 |
| " | " | B | 2 | 26 | 1 | 19/052 | 105 | 113 | ✓ 210 | " | " | 4.76 | 10.76 |
| " | AFT | K | 2 | 48 | 1 | 37/072 | 190 | 303 | ✓ 288 | " | " | 2.78 | 6.46 |
| " | " | C | 4 | 48 | 1 | 19/083 | 190 | 225 | ✓ 168 | " | " | 2.49 | 6.17 |
| " | " | C | 2 | 26 | 1 | 19/064 | 105 | 151 | ✓ 288 | " | " | 4.17 | 7.85 |

ALL RUBBER INSULATED CABLES ARE "WAR EMERGENCY" GRADE.



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| | | | | | | | | | | | |
|----------------------|----|------|---|-------|----|-----|-----|---|---|------|------|
| STAB AFT WINCH SPACE | D2 | J.J1 | 1 | 7/044 | 13 | 31 | 120 | " | " | 1.25 | 3.75 |
| LOCAL AFT | T | T | 1 | 12/00 | 31 | 104 | 14 | " | " | | |

MAIN DISTRIBUTION CABLES.

| DESCRIPTION. | CIRCUIT | CONDUCTORS. | | MAXIMUM CURRENT IN AMPERES. | | APPROX. LENGTH (lead plus return feet). | INSULATED WITH. | HOW PROTECTED. | V.D. |
|----------------------------------|---------|---------------------------|--|-----------------------------|-------|---|-----------------|----------------|------|
| | | No. in Parallel Per Pole. | Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm. | In the Circuit. | Rule. | | | | |
| MAIN SWITCHBOARD CIRCUITS. | | | | | | | | | |
| ENGINE ROOM, FORW ^d | ER1 | 2 | 37/103 | 452 | 770 | 372 | V.C. | LEAD COVERED | 2.57 |
| ENGINE ROOM AFT. | ER2 | 2 | 37/103 | 491 | 770 | 136 | " | " | 1.17 |
| MAIN CIRCULATING PUMP | ER3 | 1 | 37/103 | 292 | 385 | 372 | " | " | 3.0 |
| WINCH PANEL FORWARD | A | 1 | 61/103 | 323 | 540 | 1020 | " | " | 5.0 |
| " " MIDSHIPS | B | 2 | 37/103 | 450 | 770 | 870 | " | " | 6.0 |
| " " AFT | C | 1 | 61/093 | 450 | 464 | 330 | " | " | 3.68 |
| WINDLASS. | D | 1 | 37/103 | 190 | 191 | 1170 | " | " | 5.8 |
| WARDING WINCH. | F | 1 | 19/093 | 190 | 191 | 180 | " | " | 2.94 |
| FORWARD LIGHTING AND POWER PANEL | G | 1 | 61/093 | 139 | 464 | 870 | " | " | 2.6 |
| STEERING GEAR. | H | 1 | 19/093 | 107 | 191 | 180 | " | " | 1.77 |
| AFT LIGHTING AND POWER PANEL | J | 1 | 19/064 | 69 | 135 | 222 | " | " | 2.35 |
| DEGAUSSING | L | 1 | 19/064 | 57 | 135 | 186 | " | " | 1.68 |
| IMPORTANT ENGINE RM. LIGHTING | M | 1 | 7/036 | 13 | 24 | 144 | RUBBER | " | 2.36 |
| IMPORTANT LIGHTING FORWARD | N | 1 | 7/064 | 12 | 46 | 840 | " | " | 3.84 |
| IMPORTANT LIGHTING AFT | P | 1 | 7/064 | 15 | 31 | 204 | " | " | 2.58 |

LIGHTING AND HEATING, ETC., CABLES.

| DESCRIPTION. | CIRCUIT | No. in Parallel Per Pole. | Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm. | MAXIMUM CURRENT IN AMPERES. | APPROX. LENGTH (lead plus return feet). | INSULATED WITH. | HOW PROTECTED. | V.D. | TOTAL |
|--------------------------------------|-----------|---------------------------|--|-----------------------------|---|-----------------|----------------|--------------|-------|
| WIRELESS | G | 1 | 19/064 | 30 | 135 | 120 | V.C. | LEAD COVERED | 3.15 |
| NAVIGATION LIGHTS STEERING AND STERN | G, J1, D1 | 1 | 3/036 | 0.2 | 10 | Max 868 | RUBBER | " | 0.49 |
| NAVIGATION LIGHTS BOW LIGHTS | | 1 | 3/029 | 0.2 | 5 | Max 104 | " | " | 0.09 |
| BATTERY CHARGING | G, J1 | 1 | 7/036 | 10 | 24 | 144 | " | L.C. | 1.72 |
| Do LIFEBOATS. | J, J1 | 1 | 7/044 | 20 | 31 | 96 | " | " | 1.59 |
| ASDIC GEAR | G, J2 | 1 | 7/064 | 16 | 46 | 504 | " | " | 3.36 |
| ECHOMETER, RECORDER | G, J1, D1 | 1 | 3/036 | 10 | 10 | 60 | " | " | 1.7 |
| Do TRANSMITTER | " | 1 | 3/036 | 10 | 10 | 150 | " | " | 4.28 |
| GYRO COMPASS. | G, J1 | 1 | 7/036 | 15 | 24 | 150 | " | " | 1.72 |
| BAKING OVEN | J, J2 | 1 | 7/044 | 27 | 31 | 204 | " | " | 4.6 |

JUNCTION AND DISTRIBUTION BOXES.

| POSITION | SUB. VIA CIRCUIT. | NO. | TYPE. | Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm. | MAXIMUM CURRENT IN AMPERES. | APPROX. LENGTH (lead plus return feet). | INSULATED WITH. | HOW PROTECTED. | V.D. | TOTAL |
|---|-------------------|-----------|-------|--|-----------------------------|---|-----------------|----------------|------|-------|
| ENG. ROOM FLOOR STAR ^d FORWARD | J1 | ER1 | 1 | 19/093 | 87 | 191 | 24 | V.C. | L.C. | 0.19 |
| STARTING PLATFORM, STAR ^d | J2 | ER1 | 1 | 19/093 | 35 | 191 | 78 | " | " | 0.25 |
| Do Do Do | D1 | ER1, J2 | 1 | 3/036 | 4 | 10 | 72 | RUBBER | " | 0.82 |
| BOILER ROOM ENTRANCE PORT. | D2 | ER1, J2 | 1 | 7/044 | 7 | 31 | 72 | " | " | 0.14 |
| ENG. ROOM FLOOR FRAMA 23. PORT. | J1 | ER2 | 1 | 19/093 | 96 | 191 | 30 | V.C. | " | 0.29 |
| " " " " STAR ^d | D1 | ER2, J1 | 1 | 3/036 | 2 | 10 | 12 | RUBBER | " | 0.68 |
| " " " " 33 PORT. | D2 | ER2, J1 | 1 | 3/036 | 5 | 10 | 48 | " | " | 0.71 |
| ENG. ROOM ENTRANCE STAR ^d . | D3 | ER2, J1 | 1 | 7/044 | 7 | 31 | 108 | " | " | 0.66 |
| LOCKER, 1st FLAT. | J1 | G | 1 | 19/052 | 64 | 104 | 18 | V.C. | " | 0.27 |
| WHEELHOUSE | D2 | G, J1 | 1 | 7/064 | 31 | 46 | 84 | RUBBER | " | 1.04 |
| Do. | D1 | G, J1, D2 | 1 | 3/036 | 1 | 10 | 8 | " | " | 0.023 |
| LOCKER, 1st FLAT. | D3 | G, J1 | 1 | 7/044 | 8 | 31 | 18 | " | " | 0.12 |
| ELECTRICAL LOCKER 1st FLAT. | J2 | G | 1 | 19/052 | 45 | 104 | 18 | V.C. | " | 0.19 |
| PORT. MIDSHIP WINCH SPACE | D1 | G, J2 | 1 | 7/044 | 6 | 31 | 18 | RUBBER | " | 0.09 |
| FORWARD WINCH SPACE | D2 | G, J2 | 1 | 7/064 | 14 | 46 | 408 | " | " | 2.25 |
| LOCKER AFT | J1 | J | 1 | 19/052 | 35 | 104 | 18 | V.C. | " | 0.15 |
| ELECTRICAL LOCKER AFT. | D1 | J, J1 | 1 | 7/044 | 2 | 31 | 18 | RUBBER | " | 0.03 |
| STAR ^d AFT. WINCH SPACE | D2 | J, J1 | 1 | 7/044 | 13 | 31 | 120 | " | " | 1.25 |
| LOCKER AFT. | J2 | J | 1 | 19/052 | 34 | 104 | 18 | V.C. | " | 0.14 |
| POOP DECK LOBBY AFT | D1 | J, J2 | 1 | 7/044 | 4 | 31 | 180 | RUBBER | " | 0.63 |
| UPPER DECK LOBBY STAR ^d | D2 | J, J2 | 1 | 7/044 | 3 | 31 | 204 | " | " | 0.48 |
| BOILER ROOM ENTRANCE STAR ^d | D1 | M | 1 | 7/036 | 13 | 24 | 144 | " | " | 2.36 |
| ENGINE ROOM ENTRANCE PORT | D2 | M, D1 | 1 | 7/036 | 8 | 24 | 180 | " | " | 1.25 |
| LOBBY STAR ^d BRIDGE DECK. | D1 | N | 1 | 7/064 | 12 | 46 | 840 | " | " | 3.84 |
| LOBBY 2nd FLAT. | D2 | N, D1 | 1 | 7/064 | 6 | 46 | 108 | " | " | 0.24 |
| ELECTRICAL LOCKER AFT. | D1 | P | 1 | 7/044 | 15 | 31 | 204 | " | " | 2.58 |
| LOBBY STAR ^d UPPER DECK | D2 | P, D1 | 1 | 7/044 | 9 | 31 | 204 | " | " | 1.45 |

ALL RUBBER INSULATED CABLES ARE 'WAR EMERGENCY' GRADE.

The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.
 All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.
 The foregoing is a correct description.

J. A. S. ...
 FOR VICKERS-ARMSTRONGS LIMITED

Electrical Engineers. Date **27 AUG 1943**

COMPASSES.

Minimum distance between electric generators or motors and standard compass 20 feet

Minimum distance between electric generators or motors and steering compass 18 feet

The nearest cables to the compasses are as follows:—

A cable carrying 30 Ampères 11 feet from standard compass 5 feet from steering compass.

A cable carrying 31 Ampères 11 feet from standard compass 5 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 5° W degrees on N. 30 E course in the case of the

standard compass, and 8° W degrees on N. 40 E course in the case of the steering compass.

FOR VICKERS-ARMSTRONGS LIMITED.
 _____ Builder's Signature. Date **27 AUG 1943**
 DEPUTY GENERAL MANAGER,
 Barrow Works.

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

Plans. Are approved plans forwarded herewith No. If not, state date of approval 17.2.43

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith Yes

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

This installation has been fitted on board under special survey in accordance with the approved plans, the Rules, and the Specification. The workmanship & material are good & when tried under full working conditions it was found satisfactory in every respect.

*Noted
 J.P.
 9/10/43*

Total Capacity of Generators 550 Kilowatts.

*Brw. 7.7.0
 Liv. 7.7.0* *Brw. 23.10.0
 Liv. 23.10.0
 Ohm 11.15.0*

The amount of Fee ... £ 58 : 15 : _____ When applied for.

Specification 14 : 14 : _____

Travelling Expenses (if any) £ 10 : 11/6 : _____ When received.

Dyke & Collinson
 Surveyor to Lloyd's Register of Shipping.

TUES. 14 SEP 1943

Committee's Minute _____

Assigned see minute on 28. Rpt.

5m.4.30.—Transfer. (MADE AND PRINTED IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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