

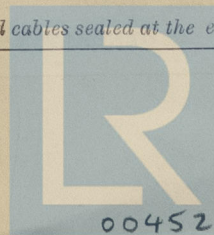
REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report... 31st MARCH 44. When handed in at Local Office... 11 APR 1944. Port of... GLASGOW.
 No. in Survey held at... GOVAN. GLASGOW. Date, First Survey... 8th Feb 1944. Last Survey... 30th MARCH 1944.
 Reg. Book. 3921 on the M.V. "NASSARIUS". Tons { Gross 8390 Net 5550
 Built at... BELFAST. By whom built... HARLAND & WOLFF LTD. Yard No. 1195 When built... 1943
 Owners... ANGLO-SAXON PETROLEUM CO. LTD. Port belonging to... LONDON.
 Electrical Installation fitted by... HARLAND & WOLFF LTD. GOVAN. GLASGOW. Contract No. — When fitted... 1944
 Is vessel fitted for carrying Petroleum in bulk... YES. Is vessel equipped with D.F. YES. E.S.D. YES. Gy.C. YES. Sub.Sig. —

Have plans been submitted and approved... YES. System of Distribution... TWO WIRE. Voltage of supply for Lighting... 110
 Heating... — Power... 110. Direct or Alternating Current, Lighting... D.C. Power... D.C. 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... No, 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... — 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... IN 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... NEAR 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... SINDANYE, 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...
 DOUBLE POLE SWITCH AND DOUBLE POLE FUSES.
 and for each outgoing circuit... DOUBLE POLE SWITCH AND FUSE ON EACH POLE.
 Are compartments containing switchboards composed of fire-resisting material or lined as per Rule... YES. Instruments on main switchboard... TWO
 ammeters... TWO voltmeters... — synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the
 equaliser connection... — 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... —, are the reversed current
 protection devices connected on the pole opposite to the equaliser connection... —, have they been tested under working conditions, and at what current
 did they operate... — 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... —
 state maximum fall of pressure between bus bars and any point under maximum load... 6 VOLTS, 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... —



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Foundation

004527-004533-0104 1/2

and found satisfactory.....Yes.....

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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.

For HARLAND AND WOLFF, LIMITED

Electrical Engineers.

Date 4th April 1944

COMPASSES.

Minimum distance between electric generators or motors and standard compass 15 FEET FROM W/T. MOTOR ALTERNATOR

Minimum distance between electric generators or motors and steering compass 16 FEET FROM W/T. MOTOR ALTERNATOR

The nearest cables to the compasses are as follows:—

A cable carrying 0.1 Ampères led into feet from standard compass 8 feet from steering compass.

A cable carrying 0.1 Ampères 10 feet from standard compass led into feet from steering compass.

A cable carrying 25.0 Ampères 7 feet from standard compass 7 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 ANY course in the case of the

standard compass, and Nil degrees on ANY course in the case of the steering compass.

For HARLAND AND WOLFF, LIMITED

Builder's Signature.

Date 4th April 1944

Is this installation a duplicate of a previous case YES If so, state name of vessel M.V. "NORRIS"

Plans. Are approved plans forwarded herewith No If not, state date of approval 17th Nov. 1943

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.)

The electrical equipment of this vessel has been fitted on board under special survey tested under full working conditions and found satisfactory.
The materials and workmanship are good.

Notes

700

20.4.44

Total Capacity of Generators 60 Kilowatts.

The amount of Fee ... £ 28 : 10 : When applied for 12 APR 1944

Travelling Expenses (if any) £ : : When received. 19

Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 12 APR 1944

Assigned