

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL) 24 SEP 1947

Date of writing Report... 4<sup>th</sup> Sept. 1947 When handed in at Local Office... 22.9.1947 Port of... Glasgow

No. in Survey held at... Glasgow Reg. Book. 27888 Date, First Survey... 4.3.47 Last Survey... 16 Sept. 1947

on the... M.V. "LA HEVE" Tons {Gross... 4027 Net... 2224

Built at... Glasgow By whom built... Harland & Wolff Ltd Yard No. 1345 G When built... 1947

Owners... Cie Generale d'Armements Maritimes Port belonging to... Nantes French Electrical Installation fitted by... Harland & Wolff Ltd

Contract No. 1345 G When fitted... 1947 Is vessel fitted for carrying Petroleum in bulk... No Is vessel equipped with D.F. Yes E.S.D. only Gy.C. Yes Sub.Sig. No

Have plans been submitted and approved... Yes System of Distribution... two wire Voltage of supply for Lighting... 220 Heating... 220 Power... 220

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... 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... 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... 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... Triple pole circuit breakers fitted with O/C and R/C trips also preference tripping for non-essential circuits

and for each outgoing circuit... Double pole circuit breaker or double pole switch and fuses Are compartments containing switchboards composed of fire-resisting material or lined as per Rule... Yes

Instruments on main switchboard... 16 ammeters... 2 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... Full load, 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... 15% Full Load 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... 6.5 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... Yes



