

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

29 MAY 1941

Date of writing Report 25th April 41 When handed in at Local Office 26.5.41 Port of GLASGOW Received at London Office

No. in Survey held at Glasgow Date, First Survey 20th July 1941 Last Survey 8th Nov 41

Reg. Book. 89084 on the S.S. MICHAEL E (Number of Visits 8)

Built at Port Glasgow By whom built W.H. Hamilton & Co Ltd. Tons {Gross 7628 Net 5508

Owners Bury Hill Shipping Co Ltd. Yard No. 446 When built 1941

Electrical Installation fitted by Campbell & Isherwood Ltd. Port belonging to LONDON

Is vessel fitted for carrying Petroleum in bulk - Is vessel equipped with D.F. - E.S.D. - Gy.C. - Sub.Sig. - Contract No. 446 When fitted 1941

Have plans been submitted and approved Yes System of Distribution fan wire Voltage of supply for Lighting 110

Heating - Power 110 Direct or Alternating Current, Lighting D.C. Power D.C. If Alternating Current state frequency - Prime Movers, -

has the governing been tested and found efficient when the whole 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 Positive

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 Main generator in engine room, Aux'y generator special compartment top 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 head 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 Peridantol, 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

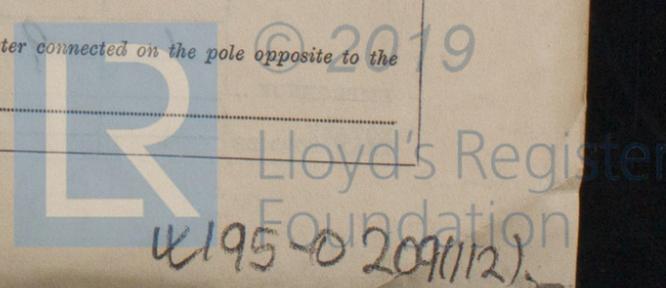
Is the construction as per Rule Yes, including accessibility of parts Yes, absence of fuses on the back of the board Yes, individual fuses to pilot and earth lamps, voltmeters, etc. Yes locking of screws and nuts Yes, labelling of apparatus and fuses Yes, fuses on the "dead" side of switches Yes

Description of Main Switchgear for each generator and arrangement of equaliser switches D.P. Switch and fuses

and for each outgoing circuit S.P. G/O Switch and D.P. fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule - Instruments on main switchboard 2

ammeters 2 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



U195-0209(12)

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.

CAMPBELL & BERNARD LTD.
Bernard

Electrical Engineers.

Date

25/5/41

COMPASSES.

Minimum distance between electric generators or motors and standard compass

20 feet

Minimum distance between electric generators or motors and steering compass

20 feet

The nearest cables to the compasses are as follows:—

A cable carrying 36 Ampères led into feet from standard compass led into feet from steering compass.

A cable carrying 5.1 Ampères 16 feet from standard compass 16 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

✓

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

✓

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

WILLIAM HAMILTON & CO. LIMITED

Builder's Signature.

Date

12th May 1941

Is this installation a duplicate of a previous case

✓

If so, state name of vessel

S.S. KINGSTON HILL

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 condition and found satisfactory. The materials and workmanship are good.

Noted
 L.H.
 4/6/41

206
 26/5/41

Total Capacity of Generators 24 Kilowatts.

The amount of Fee ... £ 19 : 10 :

When applied for, at G.R. 19....

Travelling Expenses (if any) £ — :

When received, 19....

J. G. Pridalaf
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 27 MAY 1941

Assigned

SEE ACCOMPANYING MACHINERY REPORT.

2m.10.38.—Transfer. (MADE IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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