

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office. - 2 AUG 1941

Date of writing Report. 24 July 1941 When handed in at Local Office. 21 July 1941 Port of West Hartlepool

No. in Survey held at West Hartlepool Date, First Survey 13th June Last Survey 28th July 1941
Reg. Book. Suppt. (Number of Visits. 6)91023 on the S.S. "EMPIRE SEDGE" Tons { Gross. 2852.41
Net. 1579.51

Built at West Hartlepool By whom built Com. Sneyres, Ltd. Yard No. 1117 When built 1941

Owners Ministry of War Transport Port belonging to West Hartlepool

Electrical Installation fitted by Com. Sneyres, Ltd. Contract No. 1117 When fitted 1941

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

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

Heating. No Power 110 Direction Alternating Current, Lighting. Yes Power Yes 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. 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. Engine room starboard side of

main bulkhead, 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. Engine room starboard side of

aft bulkhead near generating sets.

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. "Ebonny Linsamp", 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

quick break knife switch and double pole fuses

and for each outgoing circuit. Double pole quick break knife switch and

double pole fuses

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

ammeters. One 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. E lamps coupled to E through two fuses

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. Yes, are the reversed current

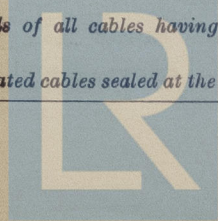
protection devices connected on the pole opposite to the equaliser connection. Yes, have they been tested under working conditions, and at what current

did they operate. 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. 4.44, 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. None fitted



0143 2/2

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 LLOYD'S REGISTER
Ho. S. Simpson
GENERAL MANAGER.

Electrical Engineers.

Date *28.7.41*

COMPASSES.

Minimum distance between electric generators or motors and standard compass *164 feet*

Minimum distance between electric generators or motors and steering compass *160 feet*

The nearest cables to the compasses are as follows:—

A cable carrying *.14* Ampères *on the* feet from standard compass *7* feet from steering compass.

A cable carrying *.14* Ampères *7* feet from standard compass *on the* 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 *his* degrees on *Every* course in the case of the standard compass, and *his* degrees on *Every* course in the case of the steering compass.

Ho. S. Simpson

Builder's Signature

Date *28.7.41*

Is this installation a duplicate of a previous case *Yes*

If so, state name of vessel

"Empire Lake"

Plans. Are approved plans forwarded herewith *Yes*

If not, state date of approval

30/12/40: 4/7/41

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 installed under special survey in accordance with the approved plans and with the specification and amendments thereto. The materials used are of good quality and the workmanship is good. On completion trials of the electrical equipment were witnessed and found satisfactory and the insulation resistance of all circuits was measured and found good. This equipment is in my opinion suitable for a classed vessel.

Notice

L.H.

7/8/41.

Total Capacity of Generators *8 (+2.5 D.G.)* Kilowatts.

The amount of Fee ... £ *10* : - :
(incl. spec'n.)
Travelling Expenses (if any) £ : :
When applied for,19.....
When received,19.....

Santison

Surveyor to Lloyd's Register of Shipping.

FRI. 8 AUG 1941

Committee's Minute

Assigned

See Appl. J.E. 18173



© 2021

Lloyd's Register
Foundation