

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

5-JAN-1942

Date of writing Report 24-10-1941, when handed in at Local Office

5-JAN-1942

Port of

Sp Suich

No. in Survey held at

Rowhedge

Date, First Survey

16-7-41

Last Survey

21-10-1941

(Number of Visits) (12)

Reg. Book.

on the motor launch

"EMPIRE LAD"

Tons

Gross

Net

Built at

Rowhedge

By whom built

Rowhedge Ironworks Ltd. Yard No. 601

When built 1941

Owners

Ministry of War Transport

Port belonging to

Rowhedge

Electric Light Installation fitted by

Central Electrical Co. (Colchester) Ltd. Contract No.

When fitted 1941

Is the Vessel fitted for carrying Petroleum in bulk

Yes

System of Distribution

Two wires

Pressure of supply for Lighting

110

volts, Heating

110

volts, Power

volts.

Direct or Alternating Current, Lighting

Direct

Power

If alternating current system, state frequency of periods per second

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off

Generators, do they comply with the requirements regarding temperature rise

are they over compounded 5 per cent.

Where more than one generator is fitted are they arranged to run in parallel

series with each shunt field

approved

Have certificates for generators under 100 kw. been supplied and approved

Are all terminals accessible, clearly marked, and furnished with sockets

short circuited, or touched

Position of Generators

Engine Room

in way of the generators satisfactory

woodwork or other combustible material, state distance of same horizontally from or vertically above the generators

are the generators protected from mechanical injury and damage from water, steam or oil

Earthing, are the bedplates and frames of the generating plant efficiently earthed

in metallic contact

Main Switch Boards, where placed

If the generators and main switchboard are not placed in the same compartment, is each generator provided with

a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard

Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes

injury and damage from water, steam or oil

horizontally from or vertically above the switchboards

materials

is it of an approved type

non-hygroscopic insulating material, and the slab similarly insulated from its framework

type

omnibus bars

"off" position

switches

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches

Are turbine driven generators fitted with emergency trip switch as per rule

fire-resisting material or lined with approved material

voltmeters

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

do these comply with the requirements of the Rules

The Electrical Equipment is installed in accordance with the approved plans.
All Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
The foregoing is a correct description.

CENTRAL ELECTRICAL CO.
(Colchester) LTD.

Electrical Engineers.

Date 29 Oct 1941

COMPASSES.

Minimum distance between electric generators or motors and standard compass ✓

Minimum distance between electric generators or motors and steering compass 40 feet

The nearest cables to the compasses are as follows:—

A cable carrying 25 Ampères ✓ feet from standard compass on feet feet from steering compass.

A cable carrying ✓ Ampères ✓ feet from standard compass ✓ 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 ✓ degrees on ✓ course in the case of the standard compass, and ✓ degrees on all courses in the case of the steering compass.

FOR THE ROWHEDGE IRONWORKS CO LTD

M. J. M. J.

Builder's Signature.

Date 29 Jan 1942

MANAGING DIRECTOR

Is this installation a duplicate of a previous case ✓ If so, state name of vessel "BEN HANN"

General Remarks (State quality of workmanship, opinions as to class, &c.)

This installation has been fitted on board under Special Survey in accordance with the approved plans & Rule requirements. The materials & workmanship are sound & of good description. The installation has been tested under full load conditions.

Noted
S. J.
9/1/42.

Total Capacity of Generators 10 Kilowatts.

The amount of Fee £10 + 25% £12 : 10 : 0
When applied for, 5/1/42
When received, 19.

Travelling Expenses (if any) £ : :

Surveyor to Lloyd's Register of Shipping.

FRI. 9 JAN 1942

Committee's Minute

Assigned

See J. E. Machy rpt



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