

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office OCT 28 1940

Date of writing Report Sept. 16, 1940 When handed in at Local Office Sept. 16, 1940 Port of Newport News, Va.

No. in Survey held at Newport News, Va., Date, First Survey July 3, Last Survey Aug. 14, 19 40
(Number of Visits.....6.....)

Reg. Book. 36503 on the S/S "WESR KEDRON" Tons { Gross 5620
Net 3516.

Built at Long Beach, Cal. By whom built Long Beach S.B. Co. Yard No. 2082 When built 1920.

Owners Douglas Ramsey & Co., Ltd., Port belonging to Glasgow.

Electric Light Installation fitted by _____ Contract No. _____ When fitted 1920.

Is the Vessel fitted for carrying Petroleum in bulk No.

System of Distribution Two wire. Pressure of supply for Lighting 110 volts, Heating _____ volts, Power 110 volts.

Direct or Alternating Current, Lighting D.C. 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 Yes.

Generators, do they comply with the requirements regarding temperature rise Yes, are they compound wound Yes.

are they over compounded 5 per cent. Flat., if not compound wound state distance between each generator _____

Where more than one generator is fitted are they arranged to run in parallel No., is an adjustable regulating resistance fitted in series with each shunt field Yes.

Have certificates of test results for machines under 100 kw. been submitted and approved No. Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing _____

Are all terminals accessible, clearly marked, and furnished with sockets Yes., are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Yes.

Are the lubricating arrangements of the generators approx good & efficient.

Position of Generators starboard side of engine room on flat above engine room floor, is the ventilation in way of the generators satisfactory Yes are they clear of all inflammable material Yes. if situated near unprotected

woodwork or other combustible material, state distance of same horizontally from or vertically above the generators _____ and _____, are the generators protected from mechanical injury and damage from water, steam or oil Yes, are their axes of rotation fore and aft Yes.

Earthing, are the bedplates and frames of the generating plant efficiently earthed Yes are the prime movers and their respective generators in metallic contact Yes Main Switch Boards, where placed Engine room.

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 Yes

Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes Yes, are they protected from mechanical injury and damage from water, steam or oil Yes., if situated near unprotected woodwork or other combustible material, state distance of same

horizontally from or vertically above the switchboards _____ and _____, are they constructed wholly of durable, non-ignitable non-absorbent materials Yes, is all insulation of high dielectric strength and of permanently high insulation resistance Yes.

is it of an approved type Yes, if semi-insulating material is used, are all conducting parts insulated from the slab with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework No., is the non-hygroscopic insulating material of an approved

type Yes, and is the frame effectively earthed Yes Are the fittings as per Rule regarding:— spacing or shielding of live parts _____, accessibility of all parts Yes, absence of fuses on back of board Yes., temperature rise of

omnibus bars Normal, individual fuses to voltmeter, pilot or earth lamp Yes., are moving parts of switches alive in the "off" position No. are all screws and nuts securing connections effectively locked Yes. are any fuses fitted on the live side of

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

Three pole fuse switch between Gen - Buss bars. Generator not parallel.

Are turbine driven generators fitted with emergency trip switch as per rule Yes Are cupboards or compartments containing switchboards composed of fire-resisting material or lined with approved material Yes Instruments on main switchboard Two ammeters One.

voltmeters _____ synchronising device for paralleling purposes. For compound machines is the ammeter connected on the opposite pole to equaliser connection _____

Yes Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system _____ Switches, Circuit Breakers and Fusible Cut-outs, Indicator lights. _____

do these comply with the requirements of the Rules. Yes are the fusible cutouts of an approved type Yes. have the reversed _____



All Conductors are of annealed copper conforming to British Standard Specification No. 7 (or International Electro-technical Commission Publication No. 28).

The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.

The foregoing is a correct description.

Electrical Engineers. Date _____

COMPASSES.

Distance between electric generators or motors and standard compass _____

Distance between electric generators or motors and steering compass _____

The nearest cables to the compasses are as follows:—

A cable carrying _____ Ampères _____ feet from standard compass _____ 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 _____ course in the case of the steering compass.

Builder's Signature. Date _____

Is this installation a duplicate of a previous case If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. The engines and dynamos fitted to the _____)

vessel are of good design and workmanship and have recently been overhauled and placed in good working order. They are fitted on a flat above engine room floor with their axes in fore and aft direction and on the starboard side of vessel. All wiring has been carefully overhauled, part renewed, tested out and found satisfactory under full load conditions. Dynamos overhauled, tested out and repaired as found necessary. The electric light installation is in my opinion in good order and appears to comply with the Committee's requirements, and is submitted for their favorable consideration.

Total Capacity of Generators 25. Kilowatts.

The amount of Fee £	:	:	When applied for,
		 19.....
Travelling Expenses (if any) £	:	:	When received,
		 19.....

S. P. Mason
Surveyor to Lloyd's Register of Shipping.

Committee's Minute NEW YORK SEP 25 1940 *W.M.*

Assigned Electric light

2m 5.54.—Transfer.
The Surveys are requested not to write on or below the space for Committee's Minute.



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