

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 24 JAN 1947

Date of writing Report 21.1.47 When handed in at Local Office 21.1.47 Port of Glasgow

No. in Survey held at Irvine Date, First Survey 9.12.46 Last Survey 10th Jan 1947  
Reg. Book. (Number of Visits 3)

76011 on the S.S. "JARGOON" Tons { Gross 691 Net 311

Built at Paisley By whom built Messrs J. Fullerton & Co. Yard No. - When built 1926

Owners Messrs Wm. Robertson Port belonging to Glasgow

Electrical Installation fitted by Messrs Clyde Dockyard Co. Ltd. Contract No. - When fitted 1944

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

Have plans been submitted and approved Yes System of Distribution Two wire Voltage of supply for Lighting 100

Heating - Power - Direct or Alternating Current, Lighting D.C. Power - 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 - 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 - Have certificates of

test for machines under 100 kw. been supplied See "General Remarks" and the results found as per rule - 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 generator

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 "Lindamyp" 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 D.P. switch and fuses.

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

ammeters 1 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.

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 - are the reversed current

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

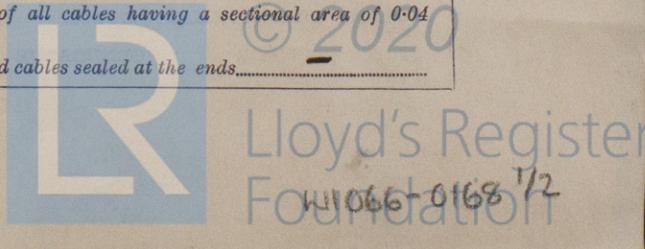
did they operate - Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule Yes.

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 WE,

state maximum fall of pressure between bus bars and any point under maximum load 1 volt, are the ends of all cables having a sectional area of 0.04

square inch and above provided with soldering sockets - Are paper insulated and varnished cambric insulated cables sealed at the ends.

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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.

Thomas Drape Electrical Engineers.

Date 15/1/47

COMPASSES.

Minimum distance between electric generators or motors and standard compass.....

Minimum distance between electric generators or motors and steering compass..... 130 feet.

The nearest cables to the compasses are as follows:—

A cable carrying 0.1 Ampères ..... feet from standard compass led into ..... feet from steering compass.

A cable carrying 3.5 Ampères ..... feet from standard compass ..... 6 ..... 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 ..... degrees on ..... course in the case of the standard compass, and Nil ..... degrees on ..... course in the case of the steering compass.

Builder's Signature. Date 15/1/47

Is this installation a duplicate of a previous case..... No ..... If so, state name of vessel .....

Plans. Are approved plans forwarded herewith..... No ..... If not, state date of approval..... 4/1/47

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith.....

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.).....

The electrical installation, consisting of a reconditioned generator, manufactured by Messrs. D & J Allan, Liverpool, No 29447, 100V 25A, 2.5 kW, 520 r.p.m., a reconditioned switchboard, and lighting circuits has been installed under Special Survey, tried under full working conditions and found satisfactory. The materials and workmanship are good.

Total Capacity of Generators..... 2 1/2 ..... Kilowatts.

The amount of Fee ... £ 5 : 0 : When applied for, 2.1 JAN 1947. Travelling Expenses (if any) £ 1 : 5 : When received, 19.....

B. Gaffner. Surveyor to Lloyd's Register of Shipping.

Committee's Minute ..... GLASGOW 21 JAN 1947

SEE ACCOMPANYING MACHINERY REPORT.

Assigned.....

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5m. 4.38.—Transfer. (MADE AND PRINTED IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)

