

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report... 23/2/49... 19... When handed in at Local Office... 19... Port of... ALGIERS.

No. in Survey held at... ALGIERS. Date, First Survey... 1/4/48 Last Survey... 22/2/49 19...
Reg. Book. (Number of Visits... Twenty-one

90062 on the M/V "GALATÉE" (ex Dorset Coast-47) Tons { Gross... 646
Net... 244

Built at... Ardrossan By whom built... Ardrossan Dockyard Ltd. Yard No... = When built... 1936-10

Owners... Soc. Algérienne d'Armement Zagamé & Cie Port belonging to... ALGIERS

Electrical Installation fitted by... AD. LEROLIE & CIE, Algiers. Contract No... = When fitted... =

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... Plans herewith System of Distribution... Two wire insulated Voltage of supply for Lighting... 220

Heating... 220 Power... 220 Direct or Alternating Current, Lighting... DC Power... DC 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... Yes, 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... No and the results found as per rule... = Are the lubricating arrangements and the construction

of the generators as per rule... Yes Position of Generators... Original position.

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... Original position.

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... ferretite, 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... see letter 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...

Triple pole linked switches and reverse current protection for each generator with O/L trip coil protection

in the negative and a fuse in the positive main busbars.

and for each outgoing circuit... Double pole switches and fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule... Yes Instruments on main switchboard... 4

ammeters... 3 voltmeters... 1 synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection... Yes Earth Testing, state means provided... Two lamps in series with the mid-point earthed through switch.

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... set at 50% O/L, 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... set at 18 & 27 amps 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... =

state maximum fall of pressure between bus bars and any point under maximum load... 3/4, 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... =

DESCRIPTION.	KILOWATTS.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (lead plus return feet).	INSULATED WITH.	HOW PROTECTED.
		No. in Parallel Per Pole.	Sectional Area or No. and Dis. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.			
MAIN GENERATOR (2)	40	1	94 mm ²	182	296 ✓	44	Rubber	Sheathed armoured
" " EQUALISER	40	1	94 mm ²	91	148 ✓	22	Rubber	cable run in steel
" " (1)	60	1	94 mm ²	260	296 ✓	22	Rubber	conduit.
EMERGENCY GENERATOR								
ROTARY TRANSFORMER: MOTOR								
" " GENERATOR								

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.

Anciens Etablissements

Ad. LEROLLE & C^{ie}

P. P^{re} de LEROLLE & C^{ie}

Electrical Engineers.

Date 23/2/49

Siècle au Capital de 1.350.000 frs

28, Boul^e Carnot à ALGER

COMPASSES. TÉLÉPH. 343-00

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

Minimum 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..... No.....

If so, state name of vessel

Plans. Are approved plans forwarded herewith..... Plans attached.....

If not, state date of approval..... Noted 22/12/48.....

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 of this vessel has been refitted and the materials used and workmanship are good.

The equipment has been tested under working conditions and found satisfactory and although the installation does not fully accord with Rule requirements, it is in my opinion such as could be accepted for

Classification.

Total Capacity of Generators..... 140 Kilowatts.

The amount of Fee £ Fcs. 96,990.-

(To be collected in Algiers)

Travelling Expenses (if any) £ : :

When applied for,

.....19.....

When received.

.....19.....

R. VAN DAM.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI 8 APR 1949

Assigned.....

See minute on form 9.



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