

REPORT ON ELECTRICAL EQUIPMENT,

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

10 SEP 1947

Date of writing Report... 5th. Spt. 1947 When handed in at Local Office..... 19..... Port of Lisbon.

No. in Survey held at Lisbon. Date, First Survey 16th Aug. Last Survey 2nd Sept. 1947
Reg. Book. (Number of Vols. TWO.....)

63180 on the M.V. Oil tanker barge "SHELL 15" Tons { Gross 216.....
Net 120.....

Built at Haarlem By whom built Haarlemsche Schb. Mij. Yard No. 111 When built 1924

Owners Shell Company of Portugal. Port belonging to Lisbon.

Electrical Installation fitted by..... Contract No. When fitted.....

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

Have plans been submitted and approved. Yes System of Distribution 2 wire system Voltage of supply for Lighting 110

Heating..... Power 110 Direct or Alternating Current, Lighting Dir. Power Dir. 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, is it are they compound wound. Yes, are they level compounded under working conditions.....

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..... Is the compound winding connected to the negative or positive pole

..... 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 Star. side bottom platform in E.R.

....., 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. Star. side E.R. bottom platform.

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. Ebonite, if of synthetic insulating material is it an Approved Type....., 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. NO, labelling of apparatus and fuses. NO, fuses on the "dead"

side of switches. NO Description of Main Switchgear for each generator and arrangement of equaliser switches. Each main outgoing

circuit has D.P. switch with double fuse protection. D.P. switch for E.R. lights has fuses

on generator side of switch, see as fitted plan herewith.

and for each outgoing circuit.....

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

ammeters. One voltmeters & No 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. cartridge type, are all fuses labelled as

per Rule. No. 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.....,

state maximum fall of pressure between bus bars and any point under maximum load. none, 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.....



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.

Electrical Engineers. Date

COMPASSES.

Minimum distance between electric generators or motors and standard compass 60ft

Minimum distance between electric generators or motors and steering compass 50ft

The nearest cables to the compasses are as follows:—

A cable carrying 1/4 Ampères one feet from standard compass one 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 Yes

The maximum deviation due to electric currents was found to be 0 degrees on course in the case of the standard compass, and 0 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 No If not, state date of approval 1-9-47

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 has been examined & found to comply generally with the approved plans except where otherwise stated herewith.

The workmanship & materials generally are of good quality. The fittings & insulation have been tested throughout, & the main generator operated under full working conditions when the governor was tested & all found satisfactory.

The vessel is eligible in my opinion to have the notation L.M.C. so far as the electrical equipment is concerned when the necessary modifications have been carried out.

Regarding modifications see attached letter, & as fitted plan of switchboards herewith.

(The Surveyors are requested not to write on or below the space for Committee's Minutes.)

Total Capacity of Generator 4.5 Kilowatts.

The amount of Fee ... £ : : When applied for,19.....
 Not yet charged.
 Travelling Expenses (if any) £ : : When received.19.....

J. H. Nunn
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES. 4 NOV 1947

Assigned See minute on Vpt. 8

1396

5m.4.30.—Transfer. (MADE AND PRINTED IN ENGLAND.)

(The Surveyors are requested not to write on or below the space for Committee's Minutes.)



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