

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

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 1934
 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 in part.) 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 -

PARTICULARS OF GENERATING PLANT

012084-012095-03232

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.

Total Capacity of Generator 4.5 Kilowatts.

The amount of Fee ... £ : : Not yet charged.

Travelling Expenses (if any) £ : :

When applied for,

.....19.....

When received.

.....19.....

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

TUES. 4 NOV 1947

See minute on 1st 8



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