

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.

18 MAY 1949

Date of writing Report 18 March, 1949 When handed in at Local Office 19 April, 1949 Port of Baltimore, Maryland  
 No. in Survey held at Sparrows Point, Maryland Date, First Survey 5th January Last Survey 10th March 1949  
 Reg. Book. (No. of Visits 7)

on the S.S. "WORLD PEACE" Tons Gross 10892 Net 6539  
 Built at Sparrows Point, Maryland By whom built Bethlehem Sparrows Point Shipyard Inc. Yard No. 4466 When built 1949  
 Owners World Tankers Corp. Port belonging to Monrovia, Liberia.  
 Installation fitted by Bethlehem Sparrows Point Shipyard Inc., When fitted 1949  
 Is vessel equipped for carrying Petroleum in bulk Yes Is vessel equipped with D.F. Yes E.S.D. Yes Gy.C. Yes Sub.Sig. No Radar Yes

Plans, have they been submitted and approved Yes System of Distribution 2-Wire D.C. Voltage of Lighting 115 D.C.

Heating - Power 230 D.C. or A.C., Lighting 115 D.C. Power - If A.C. state frequency -

Prime Movers, has the governing been found as per Rule when full load is thrown on and off A.I.E.E. Are turbine emergency governors fitted with a trip switch Yes Generators, are they compound wound Shunt, and level compounded under working conditions -

if not compound wound state distance between generators 15ft. and from switchboard 32' AFT. Are the generators arranged to run in parallel Yes, are shunt field regulators provided Yes Is the compound winding connected to the negative or positive pole

Half on each one Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing A.B.S. Have certificates of test for machines under 100 kw. been supplied - and the results found as per Rule A.I.E.E. STDS.

Position of Generators Port Side of engine room on 23'-9" Flat

is the ventilation in way of generators satisfactory Yes are they clear of inflammable material and protected from mechanical injury and damage from water, steam and oil Yes Switchboards, where are main switchboards placed Outboard of Generators on same flat.

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water, steam and oil Yes, what insulation is used for the panels 1 1/2" Thick Ebony Asbestos, 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 A.I.E.E.

Is the construction as per Rule, including locking of screws and nuts A.I.E.E. Description of Main Switchgear for each generator and arrangement of equaliser switches One 1600amp. 2 Pole Air Circuit Breaker with Dual Mechanical over current trip, one overload attachments per pole, reverse current and undervoltage trips and one 1600 amp. D.P.S.T. Disconnect Switch

and the switch and fuse gear (or circuit breakers) for each outgoing circuit 2 Pole Air Circuit Breakers with Dual Mechanical over current trip and one overload attachment per pole (above 200amp.) and 2 Pole Fused Knife Switches (200amp. and below)

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 2

ammeters 4 voltmeters - synchronising devices For compound machines in parallel are the ammeters and reversed current protection devices connected on the pole opposite to the equaliser connection - Earth Testing, state means provided 2

Ground Detector Lamps with normally open switch in ground lead

Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yes

make of fuses Chase-Chawmut, are all fuses labelled Yes If circuit breakers are provided for the generators, at what overload do they operate 1580 amps. and at what current do the reversed current protective devices operate 160 amps.

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule A.I.E.E. STDS.

Cables, are they insulated and protected as per Rule A.I.E.E., if otherwise than as per Rule are they of an Approved Type Yes

state maximum fall of pressure between bus bars and any point under maximum load 2.7% are the ends of all cables having a sectional area of 0.01 square inch and above provided with soldering sockets Solderless Lugs Are all paper insulated and varnished cambric insulated cables sealed at the ends Yes

Are all the cable runs in accessible positions, not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical damage Yes, are any cables laid under machines or floorplates Yes, if so, are they adequately protected Yes Are cables in machinery spaces, galleys, laundries, etc., lead covered Yes or run in conduit No

or of the "HR" type - State how the cables are supported or protected In galvanized steel strap hangers spaced not more than 18" where vertical and 14" where horizontal cables on gangway are run in galvanized steel pipe fitted with 1/2" drain holes at 5ft. intervals

Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holes effectively bushed All cables armored Refrigerated chambers, are the cables and fittings as per Rule A.I.E.E. STDS.



PARTICULARS OF GENERATING PLANT.



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 Contractors. Date

#### COMPASSES.

Have the compasses been adjusted under working conditions.

Builder's Signature. Date

Have the foregoing descriptions and schedules been verified and found correct. Yes

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

Plans. Are approved plans forwarded herewith. Yes If not, state date of approval. -

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith. No

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

Classification:- The generators and motors were built under special survey in accordance with the American Bureau of Shipping, Rules. The electrical installation has been carried out under the supervision of the undersigned surveyor and in accordance with the rules of this Society. The dimensions in the report have been taken from the approved plan and checked on the ship and found correct. The material and workmanship is good, the installation examined under working conditions and found satisfactory.

The engine speed governors, overspeed, reverse and overcurrent trips tested satisfactorily and when generators were paralled the load sharing found satisfactory and in accordance with Section 21 of the Rules For Electrical Equipment.

The spare gear conforms to Section 22.

It is the opinion of the undersigned that the electrical installation is eligible to be classed with this Society with the record of LMC 3.49

Noted sent 27/5/49

Total Capacity of Generators 660 Kilowatts.

Arranged  
The amount of Fee ... £\$350.00 : When applied for, 20 April, 19 49  
Travelling Expenses (if any) £\$21.00 : When received, - 19

C. H. Hamman  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned Elec. light.

NEW YORK APR 27 1949