

MIL-G-3048B(SHIPS)  
 AMENDMENT - 1  
 13 February 1958

**MILITARY SPECIFICATION**  
**GENERATOR SET, DIESEL ENGINE,**  
**DIRECT- AND ALTERNATING-CURRENT,**  
**(NAVAL SHIPBOARD USE)**

This amendment forms a part of Military Specification MIL-G-3048B(SHIPS), 14 October 1955.

Page 12, paragraph 3.9.3, line 10: Delete and substitute "R. p. m. - 720, 900, 1200, 1800, as specified (see 6.2)".

Page 22: Add as paragraph 4.4.15.3:

"4.4.15.3 Voltage build-up of emergency sets. - The generator, exciter and voltage regulator combination (using any convenient prime mover) shall be subjected to six consecutive starting operations to demonstrate the ability of these electrical components to provide positive voltage build-up of generator terminal voltage. The initial starting operation shall be conducted as follows:

- (a) Set voltage regulator control switch in automatic position.
- (b) Set the automatic voltage adjusting rheostat to obtain rated, no load generator terminal voltage when operating at rated speed and leave in this position for the duration of this test.
- (c) Start the prime mover and record the time, in seconds, required for the generator to produce rated voltage at the generator terminals.
- (d) With the unit operating at rated voltage under automatic voltage control, turn the manual control rheostat to the extreme lower position. The rheostat shall be left at this position for the remainder of the test.
- (e) Turn the regulator control switch to manual position and allow the voltage to decrease to its minimum value.
- (f) Shut down the unit. After the unit has been secured return the regulator control switch to the automatic position in preparation for the next starting cycle.

Complete the remaining starting cycles, five, in the same manner recording the time required for voltage to build-up during each start. The time required to produce full voltage at the generator terminals during any starting cycle shall not exceed the value specified in 3.9.7. Prior to, and immediately after completion of this test the inherent residual voltage of the exciter shall be measured and recorded, with all exciter brushes seated, while operating at approximately rated speed. All data taken during this test shall be incorporated in the test reports."

Custodian:  
 Bureau of Ships  
 Other interest:  
 None

Preparing activity:  
 Navy - Bureau of Ships

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