

**UNITED STATES MARINE CORPS**  
Utilities Instruction Company  
Marine Corps Engineer School  
PSC Box 20069  
Camp Lejeune, North Carolina 28542-0069

U-08F01  
NOV 99

**STUDENT HANDOUT**

**LIMITED TECHNICAL INSPECTION**

1. **Terminal Learning Objective:** Provided an Equipment Repair Order, a generator set, applicable tools, a Worksheet for Quarterly preventive Maintenance and Technical Inspection, and references, perform a Limited Technical Inspection on the generator in accordance with the references. (1142.01.01)
2. **Enabling Learning Objective:** Provided an Equipment Repair Order, a generator set with defects, applicable tools, a Worksheet for Quarterly Preventive Maintenance and Technical Inspection, and references, identify the defects on the generator in accordance with the references. (1142.01.01a)

**BODY:**

1. **Identify Generator Defects:**

a. In the upper left hand corner of page 1, there is a block that contains servicing symbols. These symbols are used to abbreviate the service that is performed. The appropriate symbol should be annotated in the SS column starting on page 2.

- (1) A-ADJUST. Used when and adjustment needs to be performed or has been performed.
- (2) C-CLEAN. Used when a part needs to be cleaned.
- (3) I-INSPECT. Indicates that a part needs to be inspected.
- (4) S-SERVICE. Used when servicing sections of the equipment.
- (5) T-TIGHTEN. Indicates that an item needs to be tightened.

b. The legend for marking is located in the upper right hand corner of page 1. These symbols are used to abbreviate the services you perform or are required to perform during a Limited Technical Inspection or Corrective Maintenance. These symbols are also annotated on the SS column on page 2.

- (1) N/A - Not applicable. Do not apply to the equipment.

- (2) M - MISSING. Indicates that an item is missing.
- (3) S - SATISFACTORY. Indicates item is satisfactory.
- (4) X - ADJUSTMENT REQUIRED. Item needs to be adjusted.
- (5) XX - REPAIR REQUIRED. Item repair is needs.
- (6) XXX - REPLACEMENT REQUIRED. Item replacement is needed.
- (7) D - IMMEDIATE D/L Equipment cannot be operated until the reason for deadlining has been eliminated.
- (8) U - UNSATISFACTORY. Item is unsatisfactory.
- (9) MR - MODIFICATIONS REQUIRED. Item required modifications.
- (10) NOMENCLATURE - In the nomenclature block, insert the listed nomenclature listed on the NAVMC 696D. (For example Generator set 10Kw 60 Hz).
- (11) MAKE - The manufacturer of the generator set. This information can be retrieved on the data plate of the generator set.
- (12) MODEL - The equipment model. (FOR EXAMPLE MEP 003A).
- (13) ORGANIZATION - In this block, enter the full name of the activity and AC of the unit that owns the item of equipment.
- (14) DATE - Enter the date the NAVMC 10560 is being prepared.
- (15) HOURS - Enter the hour meter reading for items that are equipped with an hour meter. If not applicable, leave blank.
- (16) MILES - Enter the Odometer reading for items equipped with an odometer. If not applicable, leave blank.
- (17) REGISTRATION NO. - Enter the Marine Corps registration number listed on the NAVMC 696D.
- (18) ENGINE MAKE/MODEL. - Enter the item equipment engine/model as listed on the items of equipment's engine. If applicable, list both engines.
- (19) ENGINE SERIAL NO. - Enter the item of equipment's engine serial number as listed on the items of equipment's engine. If applicable, list both engines.
- (20) ATTACHMENTS - enter the item of equipment's attachments nomenclature, make and model, and serial number. If not applicable, leave blank.

c. We have a small box below the legend used for marking the purpose of the inspection. Since we are performing an LTI, the appropriate box is checked.

d. Below section A, the following items should be checked yes.

- (1) EQUIPMENT RECORD ORDER- Maintained by equipment chief.
- (2) PUBLICATIONS AVAILABLE - Any pertinent publications available for the generator set. Located in the shop library.
- (3) APPEARANCE - Overall appearance of equipment.
- (4) OPERATOR'S DAILY PM - Not applicable
- (5) FIRE EXTINGUISHER
- (6) TOOLS AND EQUIPMENT - Pertinent tools and equipment applicable to the generator set.

e. Section B is used to indicate remarks and recommendations. List all items that are not satisfactory in the (SS) column of sections "D" through "M" in section B.

f. Section C is only required when a condition code is requested. In section C, unit cost, age in years and months, repair limit in percent and dollars, the estimated repair cost and condition code is annotated.

g. Section D blocks 4,14,16,17,25,27,33, and 34 will be marked N/A.

h. Section E, which lists power trains, is marked N/A.

i. Section F blocks 1,12, and 13 will be checked.

j. Section G will be marked N/A.

k. Section H will be marked N/A.

l. Section I block 13 will be marked N/A.

m. Sections J,K,L, and M will be marked N/A.

n. Section N provides space to list modification or technical instructions.

(1) In the MI/TI NO. block, enter all applicable modification and technical instruction numbers and title of the instructions listed in the SL-1-2 for the item of equipment.

(2) In the performed block, use a checkmark in the YES block to indicate that the technical or modification instruction has been performed.

(3) In the performed block, use a checkmark in the NO block to indicate that the modification or technical instruction has not been performed.

o. Section O lists instructions for the preparation of NAVMC 10560.

p. Section P contains blocks for entering information concerning the prepares of NAVMC 10560.

(1) In the "MAINTENANCE/OPERATOR(NAME, GRADE, ORGANIZATION)" block, enter the name, grade and organization of the person preparing sections "B" through "M".

(2) In the "MAINTENANCE/OPERATIONS CHIEF(NAME, GRADE, ORGANIZATION)" block, enter the name, grade, and organization of the maintenance/operations chief of the mechanic/operator listed in the "MECHANIC/OPERATOR(NAME, GRADE, ORGANIZATION)" block section P.

(3) In the "ERO NO." block, enter the ERO/SRO number that is assigned to the ERO/SRO.

(4) In the "DATE" block, enter the date the ERO/SRO was assigned.

(5) In the "MAINTENANCE/OPERATIONS OFFICER AS REQUIRED (NAME GRADE, ORGANIZATION)" block, enter the name grade, and organization of the maintenance/operations officer.

**REFERENCES:** TM 4700-15/1