

Waterfront Maintenance Note Number 25

Gas Turbine Engine Layup

- Ref: (a) COMFLTFORCOMINST 4790.3, (Series), Joint Fleet Maintenance Manual (JFMM) VOL VI.
(b) LM2500 S9234-AD-MMO-020 REV 9 Chapter 4
(c) LM2500 PMS 2340/009 LU-1, LU-2, R-1, R-2, R-3, R-26, SU-1, PM-1, PM-2, SU-1, SU-2 (Current Force Revision).
(d) SSGTG 501-K34 PMS 3113/007 LU-1, LU-2, SU-1, SU-2, R-2, R-3, R-6, PM-3 (Current Force Revision).

1. Purpose: To establish procedures for Gas Turbine Engine layup.

2. Background: During extended maintenance availabilities, gas turbine engines are required to be placed in layup per PMS requirements. SERMC is capable of performing SSGTG and LM2500 GTE layup procedures to satisfy this requirement. This WFMN serves to define the responsibilities and procedures for scheduling and conducting the layup process.

3. Procedures: SSGTG/LM2500 layup requires coordination through the Ship Superintendent.
 - a. Ship's Force (S/F) shall:
 - (1) Submit a 4790/2K (2-Kilo) for SSGTG layup when the engine will be inactive greater than 30 days with no motoring capability or when the SSGTG inlet may be subject to chipping debris, sandblasting grit, or spray painting / dust. Contact RMC and ISEA for special guidance if AC/DC power is not available or if the inactive period is scheduled to exceed 12 months.
 - (2) Submit a 4790/2K (2K) for LM2500 layup when engine will be inactive greater than 90 days and while in an industrial environment and equipment will be subject to chipping, sandblasting, or spray painting / dust.
 - (3) Perform SSGTG water wash (internal and external) IAW applicable PMS.
 - (4) Perform LM2500 water wash (internal and external) IAW applicable PMS.
 - (5) Ensure engine stack cover are installed and remain installed throughout the entirety of the layup period. Notify your Ship Superintendent if removal is required.
 - (6) Provide personal for layup training/support and PMS documentation of maintenance performed.
 - (7) Responsible to update SKED for any PMS accomplished.

(8) Shall notify Ship Superintendent anytime module enclosure is opened after layup maintenance has been completed or any time humidity indicator indicates 40% or greater.

(9) Maintain engine module cleanliness and material condition to meet proper layup requirements.

b. SERMC shall:

(1) Verify water wash was conducted prior to layup.

(2) Conduct training with ship force personnel on layup procedures / processes.

(3) Place engine in layup IAW PMS.

(4) Conduct weekly humidity verification checks and document IAW applicable PMS.

(5) Replace desiccant bags / humidity indicator card as required.

(6) Report any occurrences where the humidity-indicating card requires replacement for 2 weeks in a row. Shop will notify S/F and MGTI for guidance.

(7) Conduct required maintenance to remove from layup.

4. Points of Contact. For further guidance or information, contact SERMC Engine Product Family Supervisor, Code 930, at 904-270-5126 X3356.