



Test Monitoring Center

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L-37 Information Letter 11-2
Sequence Number 42
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ASTM consensus has not been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.

TO: L-37 Mailing List

SUBJECT: 1. Instrumentation Calibration Frequency
2. Load Applied During Restart from an Unscheduled Shutdown

During a November 3, 2010 meeting, the L37 Surveillance Panel approved a change to Section 9.4 of the procedure to require calibration of stand instrumentation in conjunction with alternate stand reference tests. The previous requirement was to calibrate instrumentation every 4 months or 50 tests.

In that same meeting, the panel agreed to clarify the wording of Section 10.3.1.4. The previous wording specified that 60% of the set-point load be applied during the warm-up of a restart from an unscheduled shutdown. With the reduced load conditions currently in effect, 10.3.1.4 left ambiguous whether the restart load should be 60% of the reduced load or of the original, full load. The panel agreed to change 10.3.1.4 to specify a fixed loading value of 1044 lbf · ft.

The revised Sections of D6121 are shown on the following pages.

Galen Greene
Chairman
L-37 Surveillance Panel

Frank Farber
Administrator
ASTM Test Monitoring Center

Attachment

cc: [ftp://ftp.astmtmc.cmu.edu/docs/gear/l37/procedure_and_ils/il11-2.pdf](http://ftp.astmtmc.cmu.edu/docs/gear/l37/procedure_and_ils/il11-2.pdf)

Distribution: Email

(Revises Test Method D 6121-10)

9.4 Instrumentation Calibration – Using known standards traceable to the Nation Institute of Standards and Technology (NIST)¹⁴ (or using physical constants), calibrate the axle speed measuring system, temperature control system, and torque measuring system immediately prior to every other calibration test or every nine months whichever occurs first. Re-calibration of instrumentation in the event of failed or invalid first attempts at stand calibration are at the discretion of the test engineer.

10.3.1.4 If the restart occurs following a shutdown during the test phase, apply a dynamometer load on each wheel to achieve a torque value of 1044 ± 35 lbf·ft ($1415 \text{ N}\cdot\text{m} + 47 \text{ N}\cdot\text{m}$) until the lubricant temperature reaches $175 \pm 3^\circ\text{F}$ ($79.4 \text{ }^\circ\text{C} \pm 1.7 \text{ }^\circ\text{C}$).

Note 5--If the restart occurs following a shutdown during the conditioning phase, follow sections 10.1.1 through 10.1.4 to restart the test.

Renumber subsequent notes accordingly.