



Test Monitoring Center

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L-37 Information Letter 16-1
Sequence Number 53
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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 Surveillance Panel

SUBJECT: Requirements for using lab-assembled axle units

During a February 10, 2016 meeting, the L-37 Surveillance Panel revised the acceptance criteria for the use of lab-assembled axle units. The criteria was further revised during a teleconference held March 18, 2016. Provision for use of lubrified gears was also added during that meeting.

Section 8 of D6121 has been updated. The text of the revisions is shown in the attachment. This change is effective February 10, 2016.

Matt Umerley
Chairman
L-37 Surveillance Panel

Frank Farber
Director
ASTM Test Monitoring Center

Attachment

cc: ftp://ftp.astmtmc.cmu.edu/docs/gear/137/procedure_and_ils/il16-1.pdf

Distribution: Email

Replace the entirety of section 8.2 with the following:

8.2 Lab-Built Axles -

8.2.1 To be approved to build axles acceptable for testing, obtain a separate approval for each of the two hardware types (lubricated and non-lubricated). Approval may be obtained for both hardware types or either hardware type independently.

To be approved to build axles acceptable for testing, assemble three axles in accordance with section 8.4 using a new V1L528/P4T883A pinion and ring set. Run these axles in tests using a blind mix of the following TMC-assigned oils: one TMC 152-2 and two TMC 134's.

8.2.2 If all three of these tests are operationally valid and the 152-2 run meets the LTMS acceptance criteria for V1L528 hardware and both 134 run pinion results fail SAE J2360⁶ acceptance criteria, the builder is approved to build axles for testing and the test stand is calibrated for the period described in 9.1.

8.2.3 If only the TMC 152-2 does not meet the LTMS acceptance criteria, rerun one TMC 152-2 fluid. If the repeat run meets LTMS acceptance criteria, the builder is approved to build axles for testing and the test stand is calibrated for the period described in 9.1.

8.2.4 If only one of the two TMC 134 pinion results does not fail SAE J2360⁶ acceptance criteria, rerun two consecutive TMC 134's. If the pinion results for both repeats fail SAE J2360⁶ acceptance criteria, the builder is approved to build axles for testing and the test stand is calibrated for the period described in 9.1.

8.2.5 If two of the three tests do not meet their designated acceptance criteria, or the required repeats described in 8.2.3 or 8.2.4 do not meet the designated acceptance criteria, repeat 8.2.1.