

Facilitator Report to ASTM Section D02.B0.10 Standards Acceleration

Facilitator: Terry Bates

Report period: June 1, 2013 to Dec. 1, 2013

L-37-1 Test: Load-Carrying Capacity of Lubricants Used for Final Hypoid Drive Axles

The test is under the jurisdiction of the L-37 Surveillance Panel, chaired by Chris Prengaman.

Feedback was obtained on August 5 on Draft 1 which describes the new, more representative hypoid axle assembly and replaces the gasoline engine power source by an electric motor. Draft 2 was completed on Sept. 14. It:

- incorporates the comments made on Draft 1.
- makes suggestions for the rationalized SI units that will replace inch-pound units as standard.
- adds an Introduction regarding the role of the TMC.
- incorporates a revised Summary section to conform with ASTM requirements.
- adds some definitions of exiting terms used in the L-37-1.
- adds pinion shaft break & turn torques, backlash and pinion bearing ratings to the report section as these are measured and recorded but were not required to be reported in L-37.

During editing of the various sections dealing with the role of the TMC, it was apparent that there is no consistency across existing test methods, for either the text or the activities of the TMC. To ensure consistency for the text for generic TMC activities proposals have been made for the text for the Introduction, Calibration/Standardization section, Report section and Annex A1. These are currently under discussion by B10. When agreed, they will incorporated into the L-37-1 method.

Feedback on draft 2 is awaited. The next draft is expected to be final in all critical areas with only fine tuning thereafter.

Chris envisages that a precision round robin on the L-37-1 method will start late Q1.2014 with a completion date of Q3.1014. A Sub B ballot is envisaged in Q4.2014.