

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

**Facilitator:** Terry Bates

**Report period:** Jan 1, 2013 to June 1, 2013

### **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.

The aim is to update the D6121 L-37 Test Method by replacing the Dana Model 60, 5.86 to 1 ratio hypoid truck axle assembly test unit with an American Axle Manufacturing Zeta Axle 218 mm axle, 3.45 to 1 ratio. The latter is more representative of current production hardware. In addition, the gasoline V-8 engine power source is replaced by an electric motor. It is the intent to use solely SI units instead of the inch-pound units used in the L37 test. The new method will be referred to as the L37-1 test and will given a new D number. To avoid confusion, the D6121 L-37 test will be withdrawn at an appropriate time.

A first draft of the revised method has been written and sent to Chris. It will be reviewed by a number if interested parties.