

Mack Surveillance Panel

September 10, 2004

Scope and Objectives

- The Mack Test Surveillance Panel is responsible for the Mack T-6, T-7, T-8A, T-8, T-8E, T-9, T-10, T-10A, and T-11 test procedures. The Panel works with the ASTM Test Monitoring Center to monitor test operations, test statistics, test severity and test precision for the T-8A, T-8, T-8E, T-10, and T-11 tests. The Mack T-6, T-7, and T-9 tests are no longer monitored by the TMC. Overall improvements in the test operation and test monitoring are accomplished with the cooperation of the test developer, the Test Monitoring Center and ASTM Subcommittee B0.02.

Scope and Objectives

- Develop an official ASTM test method for running the Mack T-10 with ultra-low sulfur fuel in support of the use of this test method in ACEA Lubricant Specifications.
- Develop an ASTM engine test method for the evaluation of a lubricant's capability to control piston ring and liner wear, using Mack post 2003 engine hardware. This engine test is intended to be included in the 2007 PC-10 specification for Heavy Duty Diesel Engine Oils.
- Evaluate any correlations between the different generations of engine tests measuring the same parameter(s), to support a possible replacement of older tests.
- Evaluate alternative viscosity measurement methods for use with engine tests in future categories.

Implementation of New Bearings for the Mack T-10

- Adopted method for calculating 0-300h Pb and 250-300h Pb at the September 10, 2004 MSP Meeting
- Stands that are on calibration period extensions will have to run a reference test
- Stands that are still calibrated may continue to run the old bearings
- Reference tests starting after 9/10/04 have to be run with new bearings

Mack T-12 Development Timeline

- Hardware selection to be completed before the end of September
- Formation of T-12 Task Force 9/10/04
- Try-out test to be run in October
- Task Force Meeting mid-October
- Discriminating testing to be completed in November
- Surveillance Panel Meeting end of November ?
- Test procedure and discrimination test results to be presented at the December ASTM Meetings

Mack T-10 ULSD

- TMC has issued an Information Letter (IL04-2) about inclusion of non-mandatory information in an Appendix of the Test Procedure
 - Informs about use of the T-10 test with Ultra Low Sulfur Diesel fuel, designated as the T-10 ULSD by ACEA, for possible inclusion in the ACEA E6/E7 categories
 - Includes a ULSD fuel Specification
- The Mack Surveillance Panel unanimously accepted the Information Letter
- The Information Letter will be included in a Subcommittee B ballot for early acceptance