

ASTM Section D02.B0.10

Minutes of Meeting on December 8, 2014

Call to Order

ASTM Section D02.B0.10 on Standards Acceleration met on Monday, December 8, 2014 at 8:00 am at the Sheraton San Diego Hotel and Marina in San Diego, CA. There were seven members and one guest in attendance. The list of membership and attendance is shown in Attachment 1.

Minutes from June 23, 2014 Meeting

The June 23, 2014 meeting minutes were approved.

Membership

No changes.

Facilitator Reports

Reports from three facilitators were received. Written reports submitted are shown in Attachment 2.

June - December 2014	
Facilitator	Hours
Lyle Bowman	35
Terry Bates	194
Hap Thompson	26

Facilitator Assignments

Current facilitator assignments were reviewed and are summarized in Attachment 3. Some of the new tests are making progress with development and it is expected that drafts of test procedures will be available the 2nd quarter of 2014.

Old Business

No old business

New Business

No New Business

Scope & Objectives Review

No changes to the existing Scope and Objectives were made (Attachment 4)

Next Meeting

The meeting will be Monday June 8, 2015 in Fort Lauderdale, FL

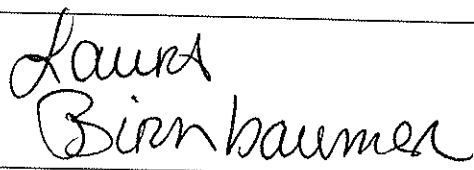
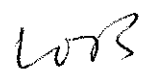
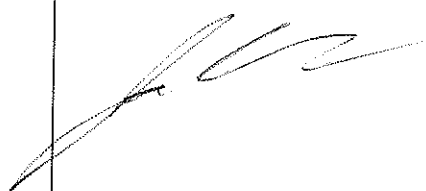
Adjournment

The meeting was adjourned at approximately 8:40 am.

Frank M. Farber
Chairman, ASTM D02.B0.10

Attachments

B10 Attendance List
December 8, 2014
San Diego, CA

Contact Information	Membership Status	Present
Mark Adams Tribology Testing Labs 7030 East Street Saginaw, MI 48601 989-777-0839 mark@tribologytesting.com	Voting Member	
Terry Bates 50 Tower Rd. North Heswall, Wirral CH60, 6RS UNITED KINGDOM +44-151-342-1193 batesterryw@aol.com	Voting Member	
Laura Birnbaumer Chevron Oronite 100 Chevron Way 60-1146 Richmond, CA 94802 LABI@Chevron.com	Non-Voting Member	
Lyle O. Bowman 728 Montecillo Road San Rafael, CA 94903 415-479-3004 FAX 415-472-1570 jbfoodie3@att.net	Voting Member	
George E. Callis Spectrum Corporation 2019 SE Oxtan Drive Port St. Lucie, FL 34952-6066 561-337-5060 FAX 561-337-5061 ecallis@spectrumcorporation.com	Non-Voting Member	
Frank Farber ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, PA 15206 412-365-1030 FAX 412-365-1047 fmf@astmtmc.cmu.edu	Chairman/Secretary	
Joe Franklin Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238 210-523-4671 FAX 210-684-6074 joe.franklin@intertek.com	Voting Member	

B10 Attendance List
December 8, 2014
San Diego, CA

Jerry Gropp The Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092 440-347-1223 FAX 440-347-1555 jlg@lubrizol.com	Voting Member	
Ted Selby Savant, Inc. 4800 James Savage Road Midland, MI 48642 989-496-2301 FAX 989-496-3438 tselby@savantgroup.com	Non-Voting Member	
William Sullivan W. T. Sullivan, Inc. 5 Scheiber Drive Brick, NJ 08723 908-930-3512 FAX 267-220-7750 wtsullivan@comcast.net	Non-Voting Member	
E. A. Hap Thompson PPL Standards Development 404 Twin Oaks Lane St. Johns, FL 32259 904-287-9596 FAX 904-287-9596 hapjthom@aol.com	Voting Member	

B10 Attendance List
December 8, 2014
San Diego, CA

[illegible]

E. A. Hap Thompson
404 Twin Oaks Lane
St. Johns, FL 32259
904-287-9596
December 8, 2014

Sequence VI E

The October 20, 2014 SP meeting resulted in some standard changes. The main item that is missing is the precision statement. Once the precision matrix is completed the SP will need to approve the test and forward for approval to the Pass Car Panel. I understand that the matrix has not been identified to date.

Sequence IV B

The status of test development is the Test stand design is locked; Golden Stand concept is being used; Test hardware locked; development testing has been conducted to identify, optimize and lock the test hardware design; Test cycle (7 / 8 sec transient cycle) locked; development testing has been conducted to identify, optimize and lock the test cycle and operational conditions; Test length opened and to be finalized; 150hr, 175hr, 200hr or something in between; hardware evaluated for wear opened and to be finalize; still evaluating intake and exhaust camshaft lobes and lifters, but intake lifter wear is most promising to-date; wear measurement method (for lifter wear) opened and to be finalized; PDI MicroAnalyzer 2000 w/ standardized fixture and notched lifters or Keyence VR3000 3D Macroscope; initial reproducibility testing has been conducted on Intertek stands; wear measurement round robin conducted between independent labs; PDI measurement discrepancy was identified and has been resolved; root cause was identified to be a combination of PDI software differences and inconsistencies with lifter fixtures and lifter indexing (lifter indexing refers to locating the 0° and 90° measurement points); PDI released a software update to address the differences between their WIN98 and WINXP software package; labs beta tested the updated PDI software and have proven the fixes to be successful; OHT is currently designing a standardized lifter fixture and mechanical indexing system to address the fixture and indexing inconsistencies; development testing has been conducted to scope different test lengths.

Experimental Design Matrix: current proposed matrix is as follows: Matrix design is linear + one interaction; evaluating stand effect, oil effect, test length effect and oil/test length interaction; 28 tests to be included; 24 unique combinations; 4 repeats; 3 oils to be included (ASTM REO 1006-2, ASTM REO 300 and SD / SE OIL (poor oil)); 3 test Lengths to be included (150 hours, 175 hours and 200 hours); 2 labs and 6 stands (3 stands at each lab to be included (SwRI (3 stands labeled S-18, S-19, S-20) and Intertek (3 stands labeled I-100, I-101, I-102); including the 150 hour test length and the SD / SE OIL (poor oil) are currently being discussed; hoping to finalize the matrix design and run order at a test development team conference call on Thursday, 11/20/14; hoping to start the matrix by the end of November 2014.

Status of industry matrix stands: 5 stands at 3 labs (2 at SwRI, 2 at Intertek, 1 at Lubrizol) installed and operational; the 4 stands at the independent labs have all completed 1 or more tests; the 1 stand at the dependent lab has not yet run any tests and is currently in shake-down.

Status of the Golden Stand replacement hardware on-hand for precision matrix + 1 reference period. Percent complete still not available.

Status of the consumable test hardware on-hand for precision matrix + 1 reference period. Percent complete still not available.

Status of precision matrix: Expected start sometime in Q1 2015 and the real question is “is this a good estimate for now, or should we indicate Q2 2015?”

MACK T-13

I have made my initial review of the draft standard, and Lyle has reviewed it for SI compliance. The matrix testing is underway and it is approximately 50% complete.

I spent 26 hours working on the 3 documents over the past 6 months.

Respectfully submitted,

E. A. Hap Thompson

E. A. Hap Thompson
Facilitator

Lyle Bowman's Facilitator Report to B-10
December 8, 2014

About 35 hours were spent on various assignments since the June 2014 Meeting.

These efforts have mostly involved preparation of 11 D02 ballot items from approved Information Letters, reviewing editor's proofs, and reviewing proposed new Information Letters.

Ten of the D02 ballot items were approved with minor comments. One item, a revision of the VID test method, received a negative vote from Richard Dixon of Shell Oil, and to date this vote has been irresolvable.

The subject ballot item was about incorporating a new fuel batch partway through a VID test. His position is that either/or both "fuel-related deposit build-up" and "hydrocarbon type distribution" could "materially impact the result and also detriment the established precision of the test". This ballot item received no negative votes at the Subcommittee B level (It was noted that Mr. Dixon is also a member of Sub. B.).

Emailed him and talked to him twice on the telephone. Frank Farber emailed him twice, and copied him with a copy of the surveillance panel's review of the topic, including a detailed analysis by Afton, and the surveillance panel's positive approval vote on the proposal.

Nothing swayed him. He said his position "was firm", and I told him that his negative would be adjudicated at the Dec. 10, 2014 Subcommittee B Meeting, and invited him to attend and participate. Frank Farber plans to handle this topic at the meeting, and all of you are urged to attend and support the surveillance panel's action.

Old business: Regarding the D4485 item that was balloted in the Spring 2013 D02 Ballot to replace g/MJ with g/kWh as the primary oil consumption unit, as I reported last June, the D02 Manager informed me that there apparently had been an inter-ASTM communication problem, and it was expected that a COS review of the results of this ballot item would take place at its September 2014 meeting. To date, I've not been informed that any COS action was taken.

Regarding my new test method facilitator assignments, I've contacted the appropriate individuals but have not received any requests for assistance thus far.

Respectfully submitted,
Lyle Bowman

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

Facilitator: Terry Bates

Report period: July 2014 to Dec 2014

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.

There has been no facilitator activity since the June report. The SP is writing a new draft procedure using pinions and rings manufactured by Gleason. Each lab will build their own axles by installing these pinions and rings in the same (Dana) housing used in the L-37 test.

It is anticipated that the first test will be available in Q1.2015 and that a draft procedure will be available for facilitating in the same timeframe.

Caterpillar C13 Engine Oil Aeration Test

Surveillance Panel chair is Martin Thompson (SWRI).

Work on the first draft, received in June 2014, was completed in July 2014. Since then the SP have been refining the test procedure and have initiated the test matrix. It is anticipated that a revised test procedure will be available for editing by end 2014.

Sequence IIH (Chrysler Oxidation and Deposit Test)

Surveillance Panel chair is Karin Haumann (SWRI).

The first draft for editing was received in Sept 2014. Proposals were made for extensive revisions to sections on Apparatus, Preparation of Apparatus, Calibration, and Engine Operating Procedure. These have been reviewed by Karin and an agreed revised draft written in November.

Following some changes, the test procedure has now been finalized and it is anticipated that the precision matrix will start in January and will take about 4 to 6 weeks to complete. An updated procedure will be available for editing by end 2014.

DDC D13 Scuffing Test

As reported in June, the DD13 Scuffing test will not be part of the PC-11 category. There will, therefore, be no requirement for facilitator support.

Facilitator Assignments

Item	Facilitator
D4485	Lyle Bowman
Standard Revisions	Lyle Bowman

PC-11 Test Assignments

Test Type	Contact Person	Facilitator
C-13 Aeration Test	Martin Thompson – martin.thompson@swri.edu	Terry Bates
Mack T-13	Sean Moyer – sam@astmtmc.cmu.edu	Hap Thompson

GF-6 Test Assignments

Test Type	Contact Person	Facilitator
Sequence VH	Rich Grundza - reg@astmtmc.cmu.edu	Lyle Bowman
Sequence IVB	Teri Kowalski - teri.kowalski@tema.toyota.com	Hap Thompson
Sequence VIE	Charlie Leverett – charlie.leverett@intertek.com	Hap Thompson
Chain Wear Test	Ron Romano – ron.romano@ford.com	Lyle Bowman
Low Speed Pre-Ignition Test (LSPI)	Ron Romano – ron.romano@ford.com	Lyle Bowman
Chrysler IIH	Karin Haumann – karin.haumann@swri.org	Terry Bates

Gear Test Assignments

Test Type	Contact Person	Facilitator
L-37-1	Chris Prengaman– Christopher.Prengaman@lubrizol.com	Terry Bates
L-33-2	Angela Trader – angela.trader@intertek.com	Lyle Bowman

ASTM Section D02.B0.10 Standards Acceleration

Scope and Objectives

Scope

The section on Standards Acceleration maintains a staff of facilitators to expedite the establishment of standards relating to automotive lubricants. Facilitators' activities include upgrading test procedures to ASTM test methods, and revising standards as needed once they are adopted; the *Form and Style for ASTM Standards* to be followed in all cases.

Section 10 activities will include but are not limited to the following:

1. Determine priority among documents to be advanced to standards with the help of facilitators, based upon input from the appropriate subcommittee.
2. Evaluate and approve new facilitator candidates, as justified by the need for new facilitators.
3. Assign specific documents to selected facilitators.
4. Hear and evaluate the facilitators' reports presented at semiannual meetings of Committee D02. (Each facilitator's report shall be brief and shall include progress, problems, and costs related to his or her standards development activity.)
5. Assist the Test Monitoring Center in establishing funding for the Standards Acceleration Program.
6. Process revisions to D 4485, *Standard Specification for Performance of Engine Oils*.
7. Carry out any other activities relative to the Standards Acceleration Program as needed, or as directed by Subcommittee D02.B0.

Objectives

1. Report a summary to Subcommittee D02.B0 and to appropriate sections of the Standards Acceleration Program status, including actions for approval, at each semi-annual meeting of Subcommittee D02.B0.

Date of last review: 12/14