

Unconfirmed Meeting Minutes
ASTM Section D02.B0.03
August 8, 2012

Call to Order

ASTM Section D02.B0.03 met on August 8, 2012 at the Performance Review Institute headquarters in Warrendale, Pennsylvania. Chairman Gropp called the meeting to order at 4:20 pm. He reviewed the Agenda, a copy of which is included as Attachment 1. Notes from the discussion of these Agenda items follow:

Membership

The Chairman reviewed a list of voting and non-voting members, a copy of which is included as Attachment 2. He detailed several membership changes which have been requested since the last meeting (and which are reflected on the attached list):

Tom Bryson requested that Allison Athey replace him as the voting member for Volvo (and that he remain on the committee as a non-voting member).

Don Lind requested that Scott Parke replace him as the voting member for the ASTM Test Monitoring Center.

Mike Haire requested that Jack Zakarian replace him as the voting member for Chevron.

Joan Petit requested that Khaled Zreik replace her as the voting member for General Motors.

Thomas Gottwald (Afton), Troy Muransky (Meritor), Art Sanchez (SwRI), Ed Akucewicz (Lubrizol), and Bill Sullivan (WTSullivan, Inc.) have been added as non-voting members.

Mike Haire (Chevron), Steve Eliot (ExxonMobil), Rick Graziano (Lubrizol), Gaklen Greene (Lubrizol), Joan Petit (General Motors), Don Lind (ASTM Test Monitoring Center), and Cory Koglin (Afton) have been removed from the list due to changes in job responsibility, changes in employer, retirement, etc..

The Chairman made a motion that all of the noted membership changes be approved. This motion was seconded by Bruce McGlone, and passed unanimously.

Following the above, Galen Greene requested that he be added as a voting member for BASF. Dale Smith made a motion to add Mr. Greene as a voting member. This motion was seconded by Bruce McGlone, and passed unanimously.

Meeting Minutes

Jack Zakarian made a motion to approve the minutes from the August 12, 2009 meeting as written. This motion was seconded by Bruce McGlone, and passed unanimously.

Surveillance Panel Reports

The Chairman asked the members of the Section if they wanted to have each Surveillance Panel Chairman present a brief review of the status of their test, recent activities and accomplishments, ongoing activities, etc.. The consensus of the group was that this would not be necessary, as each of Surveillance Panels had held a meeting earlier in the day, and each of the members of the Section was present during those meetings. It was agreed that a copy of the ASTM Update that the Chairman would be presenting to the Lubricants Review Institute Gear Oil Review Committee the following day should be attached to these minutes, and that this Update would serve as the Surveillance Panel reports to this committee. A copy of that Update is included as Attachment 3.

Old Business

The Chairman advised that both ASTM Subcommittee D02.B0 and SAE Technical Committee 3 have been advised that the PM-2 Task Force has suspended work on development of Proposed Category PM-2. The Chairman reminded the group that development of this new category, which was intended to identify lubricants for use in commercial vehicle synchromesh manual transmissions and transaxles, has been hampered by the lack of a universally-accepted pitting test and the lack of oils of known acceptable and unacceptable performance in the field. He also advised that this issue has been discussed at the last two SAE Technical Committee 3 meetings, and the unanimous response at each meeting was that this category is no longer of interest. Given this information, Jack Zakarian made a motion to disband the PM-2 Task Force. This motion was seconded by Bruce McGlone, and passed unanimously.

The Chairman advised that the Task Force which was formed to update ASTM D4998, the Standard Test Method for Evaluating Wear Characteristics of Tractor Hydraulic Fluids, has completed their work, and that the updated Standard has been balloted and approved within ASTM. In light of this, Jack Zakarian made a motion that this Task Force be disbanded. This motion was seconded by Brian Koehler, and passed unanimously.

The Chairman advised that the Task Force which was formed to write the Storage Solubility Characteristics of Universal Gear Lubricants and Compatibility Characteristics of Universal Gear Lubricants test procedures (SS&C) in the form of an ASTM Standard Test Method have completed their work. This document has been balloted and approved within ASTM, and has been assigned the designation ASTM D7603. Given that this group has no further work to do, Jack Zakarian made a motion that the group be disbanded. This motion was seconded by Bruce McGlone, and passed unanimously.

New Business

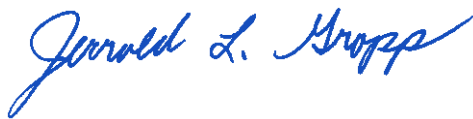
There was no new business to be discussed.

Next Meeting

The next meeting will be held at the call of the Chairman.

Adjournment

The meeting was adjourned at 4:55 pm.



Jerrold L. Gropp
Chairman, ASTM Section D02.B0.03

Agenda

- Call to Order

- Membership
 - Review and update

- Approval of Minutes
 - August 12, 2009 meeting

- Surveillance Panel Reports

- Old Business
 - Proposed Category PM-2
 - ASTM D4998
 - ASTM D7603

- New Business

- Next Meeting

- Adjournment

ASTM Section D02.B0.03 Membership List

<u>Voting</u>	<u>Non-Voting</u>
Athey, Allison	Akucewich, Ed
Bell, Don	Bryson, Tom
Comfort, Allen	Chambers, Harold
Dharte, John	Dwornick, Bridget
Greene, Galen	Farber, Frank
Gropp, Jerry	Fett, Greg
Guzikowski, Joe	Givens, Willie
Kanga, Percy	Gottwald, Thomas
Koehler, Brian	Hamilton, Larry
Marougy, Thelma	Higuchi, Sam
McGlone, Bruce	Kearney, Bill
Parke, Scott	Mosher, Donna
Smith, Dale	Muransky, Troy
Ved, Chintan	Sanchez, Art
Zakarian, Jack	Sullivan, Bill
Zreik, Khaled	Venhoff, Wes





ASTM Section D02.B0.03 Membership/Mailing List

Initials*	Name	Voting Status	Company Name & Address	Phone & E-Mail
	Akuczewich, Ed	Non-voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2415 E-Mail: esak@lubrizol.com
AA	Athey, Allison	Voting	6TT Volvo Powertrain NA 13302 Pennsylvania Avenue Hagerstown, Maryland 21742	Phone: 301-573-5684 E-Mail: allison.athey@volvo.com
DB	Bell, Don	Voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-6332 E-Mail: don.bell@afonchemical.com
	Bryson, Tom	Non-voting	Volvo Powertrain NA 13302 Pennsylvania Avenue Hagerstown, Maryland 21742	Phone: 301-790-5454 E-Mail: thomas.bryson@volvo.com
	Chambers, Harold	Non-voting	Linamar Driveline Systems 26555 Evergreen Road, Suite 900 Southfield, Michigan 48076	Phone: 248-358-6038 E-Mail: haroldchambers@linamar.com
A.O.	Comfort, Allen	Voting	AMSTA-TR-R/210 (Allen Comfort) U S Army Tank, Automotive, and Armament Command Warren, Michigan 48397-5000	Phone: 586-282-4225 E-Mail: allen.s.comfort.civ@mail.mil

* Initial to indicate attendance at subject meeting




August 8, 2012

ASTM Section D02.B0.03 Membership/Mailing List

Initials*	Name	Voting Status	Company Name & Address	Phone & E-Mail
	Dharte, John	Voting	American Axle & Manufacturing One Dauch Drive Detroit, Michigan 48211	Phone: 313-758-4687 E-Mail: john.dharte@aam.com
	Dwornick, Bridget	Non-voting	AMSTA-TR-R/210 (Bridget Dwornick) U S Army Tank, Automotive, and Armament Command Warren, Michigan 48397-5000	Phone: 586-282-4221 E-Mail: bridget.l.dwornick.civ@mail.mil
	Jeff Ferber-Frank Clark	Non-voting	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, Pennsylvania 15206-4489	Phone: 412-365-1030 412-365-1032 E-Mail: frank@astmtmc.cmu.edu jfc@astmtmc.cmu.edu
	Fett, Gregory	Non-voting	DANA Corporation 3939 Technology Drive Maumee, Ohio 43537	Phone: 419-887-3296 E-Mail: greg.fett@dana.com
	Givens, Willie	Non-voting	ExxonMobil Research & Engineering 600 Billingsport Road Paulsboro, NJ. 08066	Phone: 856-224-2223 E-Mail: willie.a.givens@exxonmobil.com
	Gottwald, Thomas	Non-voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5230 E-Mail: thomas.gottwald@aftonchemical.com





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	Gropp, Jerry	Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-1223 E-Mail: jerrold.gropp@lubrizol.com
	Guzikowski, Joe	Voting	DANA Corporation 3939 Technology Drive Maumee, Ohio 43537	Phone: 419-887-3425 E-Mail: joe.guzikowski@dana.com
	Hamilton, Larry	Non-voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2326 E-Mail: ldha@lubrizol.com
	Higuchi, Sam	Non-voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5375 E-Mail: samuel.higuchi@aftonchemical.com
	Kanga, Percy R.	Voting	ExxonMobil Research & Engineering 600 Billingsport Road, Room 48-201 Paulsboro, New Jersey 08066	Phone: 856-224-2094 E-Mail: percy.r.kanga@exxonmobil.com
	Kearney, Bill	Non-voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 248-350-0640 E-Mail: bill.kearney@aftonchemical.com




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ASTM Section D02.B0.03 Membership/Mailing List

Initials*	Name	Voting Status	Company Name & Address	Phone & E-Mail
	Koehler, Brian	Voting	Southwest Research Institute 6220 Culebra Road San Antonio, Texas 78238-5166	Phone: 210-522-3588 E-Mail: bkoehler@swri.org
	Marougy, Thelma	Voting	Eaton Corporation 26201 Northwestern Highway Southfield, Michigan 48076	Phone: 248-226-6985 E-Mail: thelmaemarougy@eaton.com
	McGlone, Bruce	Voting	Meritor, Inc. 2135 West Maple Troy, Michigan 48084	Phone: 248-435-9929 E-Mail: bruce.mcglone@meritor.com
	Mosher, Donna	Non-voting	Eaton Truck Group 13100 East Michigan Avenue Galesburg, Michigan 49053	Phone: 269-342-3039 E-Mail: donnamosher@eaton.com
	Muransky, Troy	Non-voting	Meritor, Inc. 2135 West Maple Troy, Michigan 48084	Phone: 248-435-1409 E-Mail: troy.muransky@meritor.com
	Parke, Scott	Voting	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, Pennsylvania 15206	Phone: 412-365-1036 E-Mail: sdp@astmtmc.cmu.edu

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ASTM Section D02.B0.03 Membership/Mailing List

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	Sanchez, Art	Non-voting	Southwest Research Institute 6220 Culebra Road San Antonio, Texas 78238-5166	Phone: 210-522-3445 E-Mail: asanchez@swri.org
	Smith, Dale	Voting	Intertek 5404 Bandera Road San Antonio, Texas 78238	Phone: 412-855-6854 E-Mail: dale.smith@intertek.com
	Sullivan, Bill	Non-voting	WTSullivan, Inc. 5 Scheiber Drive Brick, New Jersey 08723	Phone: 908-930-3512 E-Mail: wtsullivan@comcast.net
	Ved, Chintan	Voting	Ford 35500 Plymouth Road Livonia, Michigan 48150	Phone: 313-805-9495 E-Mail: cved@ford.com
	Venhoff, Wes	Non-voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4879 E-Mail: wve@lubrizol.com
	Zakarian, Jack	Voting	Chevron Products Company 100 Chevron Way Richmond, California 94802-0627	Phone: 510-242-3595 E-Mail: jaza@chevron.com

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Initials*	Name	Voting Status	Company Name & Address	Phone & E-Mail
	Zreik, Khaled	Voting	General Motors 823 Joslyn Avenue Pontiac, Michigan 48340-2925	Phone: 248-977-9214 E-Mail: khaled.zreik@gm.com

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Name	Company Name & Address	Phone & Fax & E-Mail
Mare Umerley	Lubrizol	Phone: 440-347-4589 E-Mail: Mare.Umerley@Lubrizol.com
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Angela Trader	Intertek Automotive Research	Phone: 210 706 1533 E-Mail: angela.trader@intertek.com
Tom BOSCHERT	AFTRAC	Phone: 804-788-5202 E-Mail: Tom.BOSCHERT@AFTRACMEMORIAL.COM
Galen Greene	BASF	Phone: 973-295-5509 E-Mail: galen.greene@BASF.com
BLAD Bubonic	Lubrizol	Phone: 440 796- 8333 E-Mail: BLAD.Bubonic@Lubrizol.com

ASTM Update
to the
LRI Gear Oil Review Committee

August 9, 2012

J. L. Gropp
Chairman, ASTM Section D02.B0.03

Status of the ASTM D 7038 (L-33-1) Test

- **Test availability and operation**
 - Test stands available at multiple labs
 - No known test stand-related problems
- **Hardware**
 - Adequate supplies of hardware available
 - Unsure of continued availability of current hardware
 - Labs evaluating alternate axle

Status of the ASTM D 6121 (L-37) Test

- **Test availability and operation**
 - Test stands available at multiple labs
 - No known test stand-related problems
- **Hardware: Non-lubrited**
 - Supplies of hardware diminishing
 - New batch was manufactured in conjunction with new batch of lubrited hardware
 - Evaluation of new batch should begin in 1-2 weeks
 - Hope to have hardware approved and available for candidate oil testing in 3rd/4th quarter of CY 2012

Status of the ASTM D 6121 (L-37) Test, continued

- Hardware: Lubricated
 - Shortage of hardware continues to be an issue
 - New batch of pinions and rings has been made - Assembly of axles is in progress
 - Previous testing on a pilot batch suggested that slight reduction in test length (to 20 hours) would be required in order to maintain historic level of test severity
 - Initial testing on production batch suggests further modification of test conditions may be required
 - Results appear to be more severe than those obtained on the pilot batch
 - Will conduct testing at 16 and 18 hour test length

Status of the “Next-Generation” L-37 Test

- Eventual replacement for the current L-37 test
- Uses electric motor as the power source, eliminates the manual transmission which was required when fired-engine used as power source, uses current-production hardware, etc.
- Work to finalize test procedure underway
 - Four labs have test stands in place
 - Testing on reference oils is in progress
 - Not all results coming out as expected/desired
 - Seeing some inconsistent results
 - Some concerns regarding distress on bearings and/or cracking/breakage of pinion teeth
 - May need to modify test conditions to obtain desired level of test severity and discrimination

Status of the ASTM D 7452 (L-42) Test

- **Test availability and operation**
 - Test stands available at multiple labs
 - No known test stand-related problems
- **Hardware**
 - Supplies of hardware diminishing
 - One lab has depleted their inventory
 - Industry evaluated pilot run of new batch
 - Saw small amount of drive-side scoring
 - **Manufacture of large batch is in progress**
 - Should be at labs in late October
 - Hope to address drive-side scoring during conditioning phase of test

Status of the ASTM D 7452 (L-42) Test, continued

- General comments
 - May need a replacement for TMC 116
 - “Good” reference oil used to establish pass/fail limit
 - Appears that supplier is unable to provide a reblend
 - Potential suppliers of an alternate reference oil should contact ASTM Test Monitoring Center
 - Surveillance Panel approved the use of new/additional rating aids
 - Expected to improve the accuracy/consistency of scoring ratings

Status of the ASTM D 5704 (L-60-1) Test

- **Test availability and operation**
 - Test stands available at multiple labs
 - No known test stand-related problems
- **Hardware**
 - Adequate supplies of test gears available
 - New batch of test gears has been approved for use
- **General Comments**
 - Approved use of new alternator as replacement for currently-specified alternator which is no longer available
 - Used to place small load on gears (to prevent “chatter”)

Status of the ASTM D 5579 (Cyclic Durability) Test

- Test availability and operation
 - Currently only one test stand available within the industry
 - Unsure if the second stand at a different lab will or will not be returned to service
 - High start-up cost and potential for limited utilization
 - The available test stand has been able to meet the industry's needs
 - No known stand-related problems
 - Test severity at historic levels

- Hardware
 - Current inventory of hardware at approved lab should last 1+ year(s)
 - Surveillance Panel has been advised that manufacturer making change in sliding clutch assembly and mating gears
 - Surveillance Panel will evaluate to insure that test severity is not affected
 - Lab will continue to use existing hardware in interim

Status of the ASTM D 5662 (Oil Seal Compatibility) Test

- Test availability and operation
 - Baths available at two labs
 - No known “stand” (bath) related problems
- Hardware
 - Adequate supplies of elastomer available