

ASTM Test Monitoring Executive Committee Meeting
December 8, 2014

Sheraton San Diego Hotel and Marina
San Diego, CA

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Call to Order

ASTM D02.B0.08, the Test Monitoring Executive Committee, met on Monday, December 8, 2014 at 5:00 p.m. at the Sheraton San Diego Hotel and Marina in San Diego, CA. There were nine voting members, three non-voting members and 9 visitors present. The attendance list is shown as Attachment A.

Committee Voting Members

Steve Kennedy, Present
Greg Shank, Present
Ron Romano, Present
Robert Stockwell, Present
Jerry Gropp, Present
Doyle Boese, Present
Jason Bowden, Present
Steve Kirby, Present
Bill Lamb, Present

The agenda is shown as Attachment B.

Meeting Minutes

June 23, 2014 meeting minutes approved.

Membership

Two members Greg Shank and Bill Lam are not eligible for re-election at the end of 2014. Both Volvo and Afton intend on supplying replacement nominees. The term limits for the current membership are shown below. Steve Kennedy and Ron Romano are agreeable to being re-elected. Joe Franklin, Sub Committee B chairman will put forth a ballot for the election of new and existing members.

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Steve Kennedy					P	P	P	P							
Greg Shank	U	U	U	U	U	U	U	U							
Ron Romano			U	U	U	U	U	U							
Stephen Kirby								U	U						
Robert Stockwell								U	U						
Bill Lam	P	P	P	P	P	P	P	P							
Jerry Gropp								P	P						
Doyle Boese								P	P						
Jason Bowden						G	G	G	G						

 Eligibility

Administrative Guidance Committee (AGC) Report

Frank Farber gave the report as shown below. Frank noted that the TMC net income through October is -94,857. It was felt that the upcoming PC-11 matrix billing would bring the TMC EOY net income back into the black.

AGC Semi-Annual Report to the Test Monitoring Board

July 2014
To
December 2014

December 8, 2014

AGC Membership

- Greg Shank Volvo (Chair)
- John Glaser Intertek Automotive Research
- Phil Ames Afton Chemical
- Tim Brooke ASTM
- Frank Farber TMC (Non-Voting)

Membership Changes?

- None

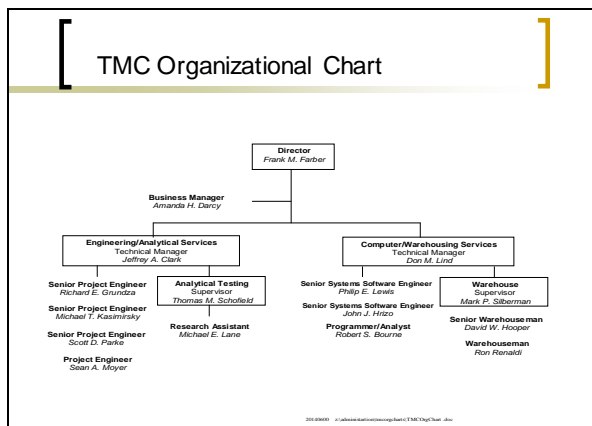
FY 2014 TMC Projected Performance

Line Item	2013 EOY ¹	2014 Budget	2014 Projected ²
Total Expenses	\$3,071,305	\$3,282,486	\$3,339,380 w/ PC-11
Revenues	\$3,132,007	\$3,232,015	\$3,433,560
Revenue - Expense	\$60,704	(\$50,471)	\$75,180
Interest	\$10,608	\$11,000	\$11,000
Net	\$71,312	(\$39,471)	\$86,180
Reserves ^{3,4}	\$4,571,657	\$4,532,186	\$4,657,837
Months Reserve	17.9	16.6	16.6
Fee Adjustments	None	None	None
New Tests	None	3	0
Reg. FT Headcount	15	16	16

¹ Values from audit report
² Based on Jan-Oct monthly average
³ Total Net Assets-Board Designated
⁴ Derived from 2013 EOY audit reserve and Net

TMC Forecast – FY 2014 Assumptions

- Salary increased, 3.5% (2014)
- Benefits (fringe)
 - 29.5% (2014)
 - 30.1% (2015)
- Continued participation in new development



Action Items

Approval of this report

Technical Guidance Committee (TGC) Report

Bill Buscher presented the TGC report as shown below. Bill noted that he changed employers this period and expects to be able to devote more time in accomplishing the action items.

ASTM
TECHNICAL GUIDANCE COMMITTEE

Semi-Annual Report

Presented by
William A. Buscher III

Updated December 16, 2014

TGC Semi-Annual Report

- No face-to-face TGC meetings were conducted in the past 6 months
- No TGC task force meetings or conference calls were conducted in the past 6 months
- No full committee activity in the past 6 months

TGC Semi-Annual Report

- During the fall 2013 PCMO surveillance panel meetings it was recommended that multiple sub-committees be established under the TGC
- The following TGC sub-committees are recommended:
 - PCMO
 - HDEO
 - GEARS
 - 2-CYCLE
 - BENCH
- Sub-committee chairs will report to TGC chair and full TGC meetings will be scheduled as required
- If this recommendation is adopted, a new TGC scope and objectives needs to be discussed and approved

TGC Semi-Annual Report

- PCMO TGC sub-committee needs to be established to address and/or advise on the following:
 - Test procedures and research reports for GF-6 tests
 - LTMS for GF-6 tests
 - Reference oils for GF-6 tests
 - Test hardware supply for GF-6 tests
 - Test fuel supply for GF-6 tests
 - End of life plan for GF-3/4/5 tests
 - GF-3/4/5 test equivalency limits for GF-6 tests
- TMB endorsed TGC forming a PCMO TGC sub-committee, lead by Bill Buscher

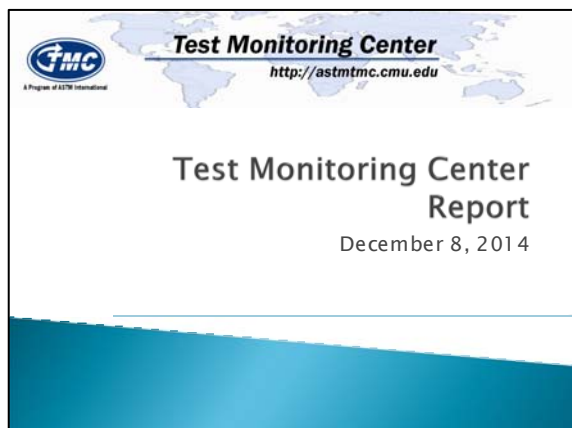
TGC Semi-Annual Report

- Opened Action Items:
 - TGC chair to locate the current TGC scope and objectives
 - TGC chair to send out slides 4 and 5 of my TGC presentation to the D.02.B0 Section 1, 2, 3, 6 and 7 chairs to make them aware of the TGC sub-committee recommendation
 - TGC chair to send out the TGC membership list to this same distribution to get it updated

All the action items from last meeting are pending.

Test Monitoring Center Report

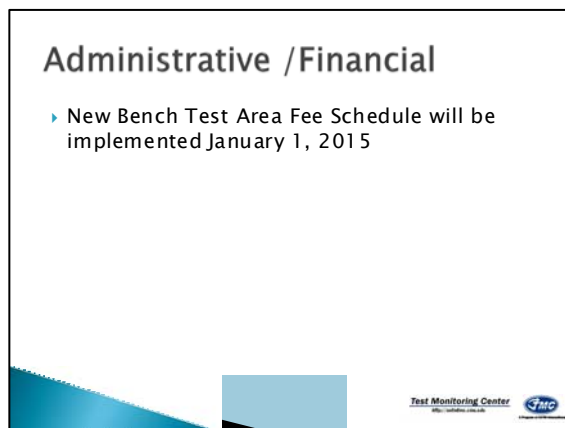
Frank Farber presented the Test Monitoring Center report as shown below.



The cover slide features the TMC logo (A Program of ASTM International) and the text: "Test Monitoring Center", "http://astmtmc.cmu.edu", "Test Monitoring Center Report", and "December 8, 2014".

Administrative /Financial

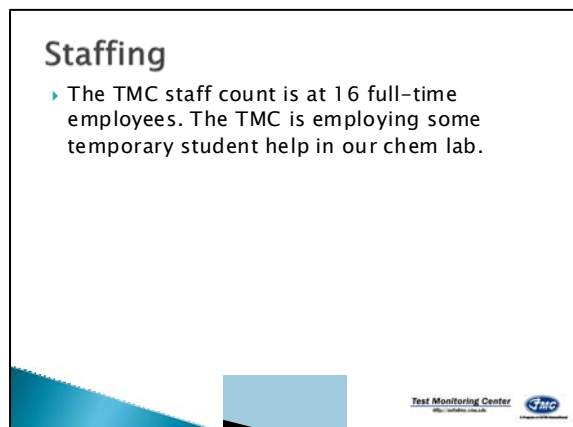
- ▶ New Bench Test Area Fee Schedule will be implemented January 1, 2015



The slide includes the Test Monitoring Center logo in the bottom right corner.

Staffing

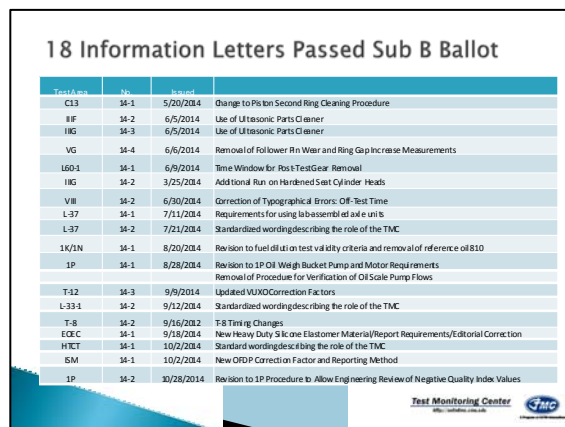
- ▶ The TMC staff count is at 16 full-time employees. The TMC is employing some temporary student help in our chem lab.



The slide includes the Test Monitoring Center logo in the bottom right corner.

18 Information Letters Passed Sub B Ballot

Test Area	Rev.	Date	Description
C13	14-1	5/20/2014	Change to Piston Second Ring Cleaning Procedure
IF	14-2	6/5/2014	Use of Ultrasonic Parts Cleaner
IK	14-3	6/5/2014	Use of Ultrasonic Parts Cleaner
VG	14-4	6/6/2014	Removal of Follow-on Run Wear and Ring Gap Increase Measurements
ISO-1	14-1	6/8/2014	Time Window for Ret-Test/Gear Removal
IK	14-2	3/25/2014	Additional Run on Hardened Sert Cylinder Heads
V8	14-2	9/30/2014	Correction of Typographical Errors: Off-Test Time
L-37	14-1	7/11/2014	Requirements for using lubricant/retail oil on tests
L-37	14-2	7/21/2014	Standardized wording describing the role of the TMC
1K/1N	14-1	8/20/2014	Revision to fuel dil at on test validity criteria and removal of reference oil STD
1P	14-1	8/28/2014	Revision to 1P Oil Weigh Bucket Pump and Motor Requirements
			Removal of Procedure for Verification of Oil Scale Pump Flows
T-12	14-3	9/9/2014	Updated VUXO Correction Factors
L-33-1	14-2	9/12/2014	Standardized wording describing the role of the TMC
T-8	14-2	9/16/2012	T-8 Tiring Changes
EOC	14-1	9/18/2014	New Heavy Duty Silicone Elastomer Material/Report Requirements/Editorial Correction
HTCT	14-1	10/2/2014	Standard wording describing the role of the TMC
SM	14-1	10/2/2014	New ODPD Correction Factor and Reporting Method
1P	14-2	10/28/2014	Revision to 1P Procedure to Allow Engineering Review of Negative Quality Index Values



The slide includes the Test Monitoring Center logo in the bottom right corner.

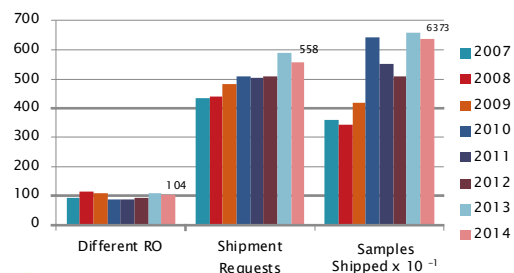
Reference Oil Procurement

Test Type	Oil Code	Quantity (gallons)
PC-11 Matrix Oils	PC11A-PC11L	3455
D5800	VOLD14	440
Sequence VID	542-2	1000
Sequence VID	0W16T1	275
Sequence VID	1010-1	1980

Test Monitoring Center
ASTM | ISO | IEC | MIL-STD



Reference Oil Shipment Overview



Test Monitoring Center
ASTM | ISO | IEC | MIL-STD



Other Items

- ▶ GM requesting Turbo Coking and Aeration and SPI reference services.
- ▶ D15 requesting ASTM D 7583 coolant cavitation reference services.

Test Monitoring Center
ASTM | ISO | IEC | MIL-STD



Data Communication Committee (DCC)

No activity this period.

Old Business

None.

New Business

John Deere Cavitation Reference Service Request

Frank Farber presented information concerning the reference service request for the John Deere Cavitation Test ASTM D7583 as shown on the next page. ASTM D15.11 recently approved a vote to request reference services by the ASTM Test Monitoring Center. In addition, Heather DeBaun and Greg Shank indicated strong EMA support for the TMC requested services. Frank noted that the currently published ASTM test method contains many references stating TMC involvement which is incorrect. Eight references test have been run since 2008 so volume for this test is low. After some discussion the board unanimously approved the TMC providing reference services for this test method. The TMC will work with the Executive Committee to determine a fee schedule so the test is self-supporting within the ASTM Test Monitoring System.

John Deere Coolant Cavitation Test

ASTM Test Method
D7583-09

Cavitation Test

- ▶ ASTM Sub Committee D15.11 requests TMC Monitoring of D7583-09
 - ? Current test method contains paragraphs indicating TMC monitoring
 - ? One lab one stand
 - ? Measures pit count on liner
 - ? 6 references tests run since 2008

TMC - Lab Conference Call

- ▶ Conference call on 12/3
 - ? Lab noted that test method needs updated to reflect how the test is being run
- ▶ With Monitoring Approval
 - ? TMC and Lab prioritized revising test method to reflect actual operation in 2015
 - Define Operational Control Parameters
 - ? TMC to Chair Surveillance Panel
 - ? Reference test acceptance bands, database, report forms and lab visits will follow

GM Reference Service Request

General Motors has contacted the TMC requesting reference services similar to what the TMC provides for the GMOD test. Frank Farber presented the following slides. Jason Bowden noted that the Regulations Governing the ASTM Test Monitoring System were recently modified to address this type of request. The regulations require requestors to supply information that the Executive Committee would need before voting on the service request. Robert Stockwell from GM volunteered to work with the TMC Director to provide this information to the Executive Committee for review. Action is planned over the next month or so.

GM Reference Service Request

December 8, 2014

GM SPI Test

- ▶ Stochastic Pre-Ignition: measures an oil's tendency to pre-ignite during high load operation in a turbocharged engine. GMSPI is a part of GM's dexosTM 1 and dexosTM 2 engine oil specifications.
 - ? 2.0L Turbocharged Engine
 - ? Currently one lab one stand
 - ? 5-hour test
 - ? Reference run every 25 tests or 30 days
 - ? 2 reference oils (supplied and distributed by GM)
 - ? Monitoring System Established

GM Turbo Coking

- ▶ Engine dynamometer test to rapidly evaluate engine oil's potential to create hydrocarbon deposits in turbocharger oil passages and bushings under elevated temperature conditions.

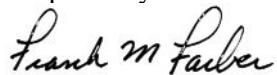
- ? 1.4L Turbocharged Engine
- ? Multiple stands at one lab
- ? 540-hour test

GM Aeration Test

- ▶ This test method evaluates an engine oil's resistance to aeration in automotive gas engine service.
- ▶ Still under development.....

The meeting ended at 6:00 pm.

Respectfully submitted,



Frank M. Farber, Secretary
ASTM Test Monitoring Executive Committee

FMF/fmf
Attachments

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Voting Members

NAME	COMPANY AND ADDRESS	PHONE NUMBER E-MAIL ADDRESS FAX NUMBER	PRESENT
Steve Kennedy Chairman	ExxonMobil Paulsboro Technology Center 600 Billingsport Road Paulsboro, NJ 08066-0480	Phone: (856) 224-2432 e-mail: steven.kennedy@exxonmobil.com FAX: (856) 224-3613	SK
Greg Shank Vice-Chairman	Volvo Powertrain 13302 Pennsylvania Avenue Hagerstown, MD 21742	Phone: (301) 790-5817 e-mail: greg.shank@volvo.com FAX: (301) 790-5815	SSS
Doyle Boese	Infineum USA, L.P. 1900 East Linden Avenue Linden, NJ 07036-0536	Phone: (908) 474- 2097 3176 e-mail: andrew.ritchie@infineum.com FAX: (908) 474-3637 <i>Doyle.Boese@Infineum.com</i>	DHB
Jason Bowden	OH Technologies 9300 Progress Parkway P. O. Box 5039 Mentor, OH 44061-5039	Phone: (440) 354-7007 e-mail: jhbowden@ohtech.com FAX: (440) 354-7080	JHB
Jerry Gropp B03 Chairman	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092	Phone: (440) 347-1223 e-mail: jlg@lubrizol.com FAX: (440) 347-1555	JLH
Stephen Kirby	International Truck & Engine Corp 10400 W. North Avenue Melrose Park, IL 60160	Phone: (708) 865-3788 e-mail: stephen.kirby@navistar.com FAX: (708) 216-0680	
William Lam	Afton Chemical Corporation 500 Spring Street P.O. Box 2158 Richmond, VA 23218-2158	Phone: (804) 788-5236 e-mail: bill.lam@aftonchemical.com FAX: (804) 788-6388	wyl
Ron Romano	FCSD, Service Product Dev, SEO Diagnostic Service Center II Room 410 1800 Fairlane Drive Allen Park, MI 48101	Phone: (313) 845-4068 e-mail: rromano@ford.com FAX:	RR
Robert Stockwell RFWT Chairman	General Motors 11406 Hospah Helotes, TX 78023	Phone: 210-563-0785 e-mail: robert.stockwell@gm.com FAX:	RIS

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Non-Voting Members

NAME	COMPANY AND ADDRESS	PHONE NUMBER E-MAIL ADDRESS FAX NUMBER	PRESENT
Don Bell OSCT	Afton Chemical Corporation 500 Spring Street PO Box 2158 Richmond, VA 23218-2158	Phone: (804) 788-6332 e-mail: don.bell@aftonchemical.com FAX: (804) 788-6243	
Mike Birke LDEOC/EOEC	Southwest Research Institute 6620 Culebra Road San Antonio, TX 78228-0510	Phone: (210) 522-5310 e-mail: mbirke@swri.org FAX: (210) 522-5907	
William Buscher, III Sequence IVA TGC Chairman	Intertek 5404 Bandera Road San Antonio, TX 78238	Phone: (210) 240-8099 e-mail: william.buscher@intertek.com FAX: (210) 684-7523	WAB
Tim Brooke ASTM International	ASTM 100 Barr Harbor Drive West Conshohocken, PA 19428	Phone: (610) 832-9729 e-mail: tbrooke@astm.org FAX: (610) 832-	
G. E. Callis Two-Stoke Cycle	Spectrum Corporation 1523 SE Prestwick Lane Port St. Lucie, FL 34952-6038	Phone: (561) 337-5060 e-mail: ecallis@spectrumcorporation.com FAX: (561) 337-5061	
Angelina Chan TEOST, TEOST-MHT	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092-2298	Phone: (440) 347- e-mail: Angelina.Chan@lubrizol.com FAX: (440) 347-8061	
Mark Cooper T-8/T-8E, T-11, T-12	Chevron Oronite Company, LLC 4502 Centerview Drive, Suite 210 San Antonio, TX 78228	Phone: (210) 731-5606 e-mail: mawc@chevrontexaco.com FAX: (210) 731-5699	
Mark Devlin Gelation Index	Afton Chemical Corporation 500 Spring Street, P.O. Box 2158 Richmond, VA 23218-2158	Phone: (804) 788-6322 e-mail: mark.devlin@aftonchemical.com FAX: (804) 788-6388	
Frank Farber TMC	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, PA 15206-4489	Phone: (412) 365-1030 e-mail: fmf@astmtmc.cmu.edu FAX: (412) 365-1030	FMF
Joe Franklin Subcommittee B	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238-1933	Phone: (210) 523-4671 e-mail: joe.franklin@intertek.com FAX: (210) 681-8300	JF
Fred Gerhart Sequence VIII	Southwest Research Institute 6220 Culebra Road San Antonio, TX 78228-0510	Phone: (210) 522-3842 e-mail: fgerhart@swri.org FAX: (210) 684-7523	
Dave Glaenger Sequence IIIF/IIIG	Afton Chemical Corporation 500 Spring Street, P.O. Box 2158 Richmond, VA 23218-2158	Phone: (804) 788-5214 e-mail: dave.glaenger@aftonchemical.com FAX: (804) 788-6358	
John Glaser Intertek	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238-1933	Phone: (210) 647-9459 e-mail: john.glaser@intertek.com FAX: (210) 684-6074	
Jay Chalkley L-42	Afton Chemical Corporation 500 Spring Street P.O. Box 2158 Richmond, VA 23218-2158	Phone: (804) 788-5082 e-mail: Jarrod.Chalkley@aftonchemical.com FAX: (804) 788-6358	
Jim Gutzwiller Scote/C13	Infineum USA, L.P. 4335 West Piedras Drive, Suite 101 San Antonio, TX 78228	Phone: (210) 732-8132 x13 e-mail: james.gutzwiller@infineum.com FAX: (210) 732-8480	

		PHONE NUMBER	

ASTM Executive Committee Meeting

December 8, 2014

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San Diego, CA

NAME	COMPANY AND ADDRESS	E-MAIL ADDRESS FAX NUMBER	PRESENT
Larry Hamilton L-60-1	The Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092-2298	Phone: (440) 347-2326 e-mail: larry.hamilton@lubrizol.com FAX: (440) 347-4096	
Ryan Johnson EOAT	Southwest Research Institute 6220 Culebra Road San Antonio, TX 78228-0510	Phone: (210) 522-2892 e-mail: ryan.johnson@swri.org FAX: (210) 684-7530	
Brian Koehler HTCT	Southwest Research Institute 6220 Culebra Road San Antonio, TX 78228-0510	Phone: (210) 522-3588 e-mail: bkoehler@swri.edu FAX: (210) 680-1777	
Nathan Moles Sequence VID/VIE	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092-2298	Phone: (440) 347- e-mail: nathaniel.moles@lubrizol.com FAX: (440) 347-	
Stefan Von Lukawiecki D5800, D6417	Safety-Kleen Canada, Inc. 300 Woolwich Street South Breslau, Ontario NOB 1M0 CANADA	Phone: (519) 648-2291 e-mail: svonluka@safety-kleen.com FAX: (519) 648-2033	
Yong-Li McFarland EOFT, EOWT	Southwest Research Institute 6620 Culebra Road San Antonio, TX 78228-0510	Phone: (210) 522- e-mail: yongli.mcfarland@swri.org FAX: (210) 522-5907	
Angelina Chan TEOST, TEOST-MHT	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092-2298	Phone: (440) 347-8174 e-mail: smm@lubrizol.com FAX: (440) 347-8061	
Jim Moritz ISB & ISM	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238-1933	Phone: (210) 523-4601 e-mail: jim.moritz@intertek.com FAX: (210) 523-4607	
Leonard Orzech BRT	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238-1933	Phone: (210) 523-4680 e-mail: leonard.orzech@intertek.com FAX: (210) 523-4694	
Chris Prengaman L-37	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092-2298	Phone: (440) 347- e-mail: christopher.pregaman@lubrizol.com FAX: (440) 347-4096	
Gil Reinhard CBT, HTCBT	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238-1933	Phone: (210) 523-4674 e-mail: gil.reinhard@intertek.com FAX: (210) 681-8300	
Andrew Ritchie VG	Infineum USA, L.P. 1900 East Linden Avenue Linden, NJ 07036-0536	Phone: (908) 474-2097 e-mail: andrew.ritchie@infineum.com FAX: (908) 474-3637	
Dewey Szemenyei AGC	Afton Chemical Corporation 500 Spring Street P.O. Box 2158 Richmond, VA 23218-2158	Phone: (804) 788- e-mail: dewey.szemenyei@aftonchemical.com FAX: (519) 648-2033	
Angela Trader L-33-1	Intertek Automotive 5404 Bandera Road San Antonio, TX 78238-1993	Phone: (210) 264-5911 e-mail: angela.trader@intertek.com FAX: (210)	
Ben Weber B01 Chairman		Phone: e-mail: Bweber1@satx.rr.com FAX:	

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Michael Lochte	SwRI	MLOCHTE@SWRI.ORG	—
Steve Marty	SwRI	(210) 522-5929 smarty@swri.org	X
Jolynne Parsons	CQA 4800 James Savage Rd, Midland, MI, 48642	989-496-2399 jparsons@centerforqa.com	X
Matthew Bowden	OH TECHNOLOGIES	MJ Bowden @ OHTECH.COM	✓
MIKE KUNSELMAN	Center for Quality Assurance	248-234-3697 mkunselman@CenterForQA.com	✓
Greg Shank	Volvo	301-790-5817 greg.shank@volvo.com	✓
Heather DeBoun	Navistar	heather.deboun@navistar.com	✓
Stephen Kirby	Navistar	stephen.kirby@Navistar.com	✓
Brent Calcut	Afton	brent.calcut@aftonchemical.com	✓
Bob Campbell	AFTON	Bob.Campbell@AFTONChem.com	✓
Michael Ragomo	ExxonMobil	michael.a.ragomo@exxonmobil.com	✓

ASTM EXECUTIVE COMMITTEE MEETING
Monday – December 8, 2014
5:00 - 6:30 PM
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AGENDA

- 1. Call to Order**
- 2. Approval of Minutes**
- 3. Membership**
- 4. Receive, Accept and Take Action on Reports**
 - Administrative Guidance Committee – Greg Shank**
 - Technical Guidance Committee – Bill Buscher III**
 - Test Monitoring Center – Frank Farber**
 - Data Communications Committee – Frank Farber**
- 5. Old Business**
- 6. New Business – Coolant Cavitation Test Monitoring Request**
- 7. Next Meeting – Monday, June 22, 2015 Fort Lauderdale, FL**
- 8. Adjournment**