



100 Barr Harbor Drive ■ PO Box C700 ■ West Conshohocken, PA 19428-2959  
Telephone: 610-832-9500 ■ Fax: 610-832-9555 ■ e-mail: [service@astm.org](mailto:service@astm.org) ■ Website: [www.astm.org](http://www.astm.org)

**Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS**

*Chairman:* W. JAMES BOVER, ExxonMobil Biomedical Sciences Inc, 1545 Route 22 East, PO Box 971, Annandale, NJ 08801-0971, (908) 730-1048, FAX: 908-730-1197, EMail: [wjbover@erenj.com](mailto:wjbover@erenj.com)  
*First Vice Chairman:* KENNETH O. HENDERSON, Cannon Instrument Co, PO Box 16, State College, PA 16804, (814) 353-8000, Ext: 0265, FAX: 814-353-8007, EMail: [kenohenderson@worldnet.att.net](mailto:kenohenderson@worldnet.att.net)  
*Second Vice Chairman:* SALVATORE J. RAND, 221 Flamingo Drive, Fort Myers, FL 33908, (941) 481-4729, FAX: 941-481-4729  
*Secretary:* MICHAEL A. COLLIER, Petroleum Analyzer Co LP, PO Box 206, Wilmington, IL 60481, (815) 458-0216, FAX: 815-458-0217, EMail: [macvarlen@aol.com](mailto:macvarlen@aol.com)  
*Assistant Secretary:* JANET L. LANE, ExxonMobil Research and Engineering, 600 Billingsport Rd, PO Box 480, Paulsboro, NJ 08066-0480, (856) 224-3302, FAX: 856-224-3616, EMail: [janet\\_l\\_lane@email.mobil.com](mailto:janet_l_lane@email.mobil.com)  
*Staff Manager:* DAVID R. BRADLEY, (610) 832-9681, EMail: [dbradley@astm.org](mailto:dbradley@astm.org)

Originally Issued: November 24, 2009

Reply to: Richard Grundza  
ASTM Test Monitoring Center  
6555 Penn Avenue  
Pittsburgh, PA 15206  
Phone: 412-365-1031  
Fax: 412-365-1047  
Email: [reg@astmtmc.cmu.edu](mailto:reg@astmtmc.cmu.edu)

Unapproved Minutes of the November 19, 2009  
Sequence VG Surveillance Panel Meeting  
held in Warren, MI

*This document is not an ASTM standard; it is under consideration within an ASTM technical committee but has not received all approvals required to become an ASTM standard. It shall not be reproduced or circulated or quoted, in whole or in part, outside of ASTM committee activities except with the approval of the chairman of the committee having jurisdiction and the president of the society. Copyright ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.*

The meeting was called to order at 9:00 am by Chairman Andy Ritchie.

A list of attendees is included as attachment 1

Agenda Review

Bill Buscher is Action & Motion recorder.

The Agenda was accepted as shown on Attachment 2.

Sequence VG Meeting Minutes  
November 19, 2009  
Warren, MI

### Membership Changes

Raham Kirkwood replaces Dan Worcester as the voting member for Southwest Research.

### Meeting Minute Status

The May 6, 2009 meeting minutes were approved by the surveillance panel.

### Review of Action Items from Last Meeting

Only one motion or action item was reviewed from last meeting.

Motions and Action Items

As Recorded at the Meeting by Bill Buscher

Action Item O&H task force to perform a thorough Sequence VG test procedure review, and to investigate poor precision that was observed during the fuel prove-out matrix. **Review still remains to be completed**

### Test Sponsor Report

Ron Romano did not have a formal report, but summarized the recent issues with the pistons from Federal Mogul. The pistons will be replaced by Federal Mogul as they were found to have unacceptable levels of staining. An update on the replacement will be given later in the meeting when Ford Component Sales representative is available.

### Fuel Supplier Report

Mark Overaker identified that only two minor adjustments to RVP have been made to the current fuel batch, which is much better than the type and amount of adjustments made to the previous batches. He commented that even with the elevated temperatures this summer in Texas, the floating roof seal appears to be doing a much better job of maintaining fuel integrity. It appears that, based on current consumption rates, there is about a 10 month supply of fuel left. A considerable discussion by the panel led to an agreement to meet in the first quarter of 2010 to review the activities of the TGC Test Fuel Task Force and to develop a plan for approving the next batch of fuel. A copy of the fuel suppliers report can be found as attachment 3.

### Test Monitoring Center Report

A copy of the TMC report can be obtained from the TMC website. There were no questions or comments regarding the TMC report. There were no questions or comments on the report.

### ACC Monitoring Agency Report

No formal report was given. A copy of the report is available on the ACC Monitoring Agency website.

Sequence VG Meeting Minutes  
November 19, 2009  
Warren, MI

### Hardware Task Force.

Ford Component sales discussed the status of the pistons and the cost associated with shipping them airfreight from India. Air freight charges are approximately \$8200 for the 3200 pistons, and labs will be charged proportionally, based on the number of pistons being replaced. It was pointed out that the air freight is to Federal Mogul's facility in Mansville. It is uncertain whether there will be additional handling charges from Mansville. The previous batch was distributed by TEI, and there were additional handling charges, but these have not been discussed by Federal Mogul.

### Scope and Objectives

A review of the scope and objectives was conducted. The revised scope and objectives are included as attachment 4. Andy Ritchie also gave a brief presentation of his report to subcommittee D0.02.B0., also included in attachment 4.

### New and Old Business

Under new business, Bill Buscher drafted an action item for the panel to see if we have a potential GF-4 or GF-5 reference oil for the VG, TMC to query suppliers of 5 primary VID reference oils (A, B, C, D and X) to see if data exists for these oils on the other GF-5 engine tests, or if they would be willing to generate data on the other GF-5 engine tests. Bill also made a second motion to review the current VG lms to drop or relax precision requirements. The panel members embarked on a lengthy discourse about the actions currently being taken by the current LTMSTask Force. The panel agreed to convene a meeting shortly after the final version from the LTMS Task Force is available to review the potential of adopting the LTMS system proposed by the task force.


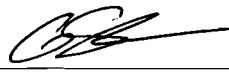
A listing of Motions and Action items recorded during the meeting is included as attachment 5.

The meeting was adjourned at 10:38 pm.

## ASTM Sequence V Surveillance Panel (18 Voting members)





November 19, 2009



Name/Address	Phone/Fax/Email		Signature
Tracey King Chrysler LLC 800 Chrysler Drive CIMS 482-00-13 Auburn Hills, MI 48326-2757 USA	248-576-7500 248-576-7490 <a href="mailto:tek1@chrysler.com">tek1@chrysler.com</a>	Voting Member	Present _____
Clayton Knight Test Engineering, Inc. 12718 Cimarron Path San Antonio, TX 78249-3423 USA	210-690-1958 210-690-1959 <a href="mailto:cknight@tei-net.com">cknight@tei-net.com</a>	Voting Member	Present _____
Patrick Lang Southwest Research Institute 6220 Culebra Road P.O. Box 28510 San Antonio, TX 78228 USA	210-522-2820 210-684-7523 <a href="mailto:plang@swri.edu">plang@swri.edu</a>	Voting Member	Present _____
Charlie Leverett Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238 USA	210-647-9422 210-523-4607 <a href="mailto:charlie.leverett@intertek.com">charlie.leverett@intertek.com</a>	Voting Member	Present _____
Josephine G. Martinez Chevron Oronite Company LLC 100 Chevron Way Richmond, CA 94802 USA	510-242-5563 510-242-3173 <a href="mailto:jogm@chevrontexaco.com">jogm@chevrontexaco.com</a>	Non-Voting Member	Present _____
Bruce Matthews GM Powertrain Mail Code 483-730-472 823 Jocyn Avenue Pontiac, MI 48340 USA	248-830-9197 248-857-4441 <a href="mailto:bruce.matthews@gm.com">bruce.matthews@gm.com</a> <del>Test Sponsor Representative</del>	Voting Member	Present <u>B.M.</u>
Timothy Miranda Castrol Technology Center 240 Centennial Avenue Piscataway, NJ 08854 USA	732-980-3634 973-686-4039 <a href="mailto:Timothy.Miranda@Castrol.com">Timothy.Miranda@Castrol.com</a>	Voting Member	Present _____

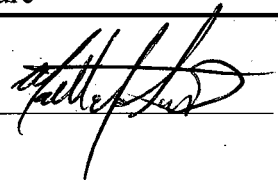
Name/Address	Phone/Fax/Email	Voting Member	Signature
Mark Mosher ExxonMobil Technology Company Billingsport Road Paulsboro, NJ 08066 USA	856-224-2132 856-224-3628 <a href="mailto:mark.r.mosher@exxonmobil.com">mark.r.mosher@exxonmobil.com</a>	Voting Member	Present _____
Allison Rajakumar The Lubrizol Corporation Drop 152A 29400 Lakeland Blvd. Wickliffe, OH 44092 USA	440-347-4679 440-347-2014 <a href="mailto:Allison.Rajakumar@Lubrizol.com">Allison.Rajakumar@Lubrizol.com</a>	Non-Voting Member	Present _____
Andrew Ritchie Infineum 1900 East Linden Avenue P.O. Box 735 Linden, NJ 07036 USA	908-474-2097 908-474-3637 <a href="mailto:Andrew.Ritchie@Infineum.com">Andrew.Ritchie@Infineum.com</a>	Voting Member	Present _____ 
Ron Romano Ford Motor Company Diagnostic Service Center II Room 410. 1800 Fairlane Drive Allen Park, MI 48101 USA	313-845-4068 313-32-38042 <a href="mailto:rromano@ford.com">rromano@ford.com</a>	Voting Member	Present _____
Jim Rutherford Chevron Oronite Company LLC 100 Chevron Way Richmond, CA 94802 USA	510-242-3410 510-242-3173 <a href="mailto:jaru@chevrontexaco.com">jaru@chevrontexaco.com</a>	Non-Voting Member	Present _____
Philip R. Scinto The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092 USA	440-347-2161 440-347-9031 <a href="mailto:prs@lubrizol.com">prs@lubrizol.com</a>	Non-Voting Member	Present _____
<del>Greg Soman</del> The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092 USA	<del>440-347-2153</del> 440-347-4096 <a href="mailto:greg.soman@lubrizol.com">greg.soman@lubrizol.com</a>	Voting Member	Present _____ 

*Test Sponsor Rep.*

*George Stappanos 2352*

Name/Address	Phone/Fax/Email	Voting Member	Signature
Ed Altman Afton Chemical Corporation P.O. Box 2158 Richmond, VA 23218-2158 USA	804-788-5279 804-788-6358 <a href="mailto:ed.altman@aftonchemical.com">ed.altman@aftonchemical.com</a>	Voting Member	Present 
Zack Bishop Test Engineering, Inc. 12718 Cimarron Path San Antonio, TX 78249-3423 USA	210-877-0223 210-690-1959 <a href="mailto:zbishop@tei-net.com">zbishop@tei-net.com</a>	Non-Voting Member	Present _____
Doyle Boese Infineum 1900 E. Linden Avenue Linden, NJ 07036 USA	908-474-3176 908-474-3637 <a href="mailto:doyle.boese@infineum.com">doyle.boese@infineum.com</a>	Non-Voting Member	Present _____
Adam Bowden OH Technologies, Inc. 9300 Progress Parkway P.O. Box 5039 Mentor, OH 44061-5039 USA	440-354-7007 440-354-7080 <a href="mailto:adbowden@ohtech.com">adbowden@ohtech.com</a>	Non-Voting Member	Present 
Jason Bowden OH Technologies, Inc. 9300 Progress Parkway P.O. Box 5039 Mentor, OH 44061-5039 USA	440-354-7007 440-354-7080 <a href="mailto:jhbowden@ohtech.com">jhbowden@ohtech.com</a>	Voting Member	Present 
Dwight H. Bowden OH Technologies, Inc. 9300 Progress Parkway P.O. Box 5039 Mentor, OH 44061-5039 USA	440-354-7007 440-354-7080 <a href="mailto:dhbowden@ohtech.com">dhbowden@ohtech.com</a>	Non-Voting Member	Present _____
Bill Buscher III Southwest Research Institute 6220 Culebra Road P.O. Box 28510 San Antonio, TX 78228 USA	210-522-6802 210-684-7523 <a href="mailto:william.buscher@swri.org">william.buscher@swri.org</a>	Non-Voting Member	Present 
<i>Bob Campbell AFTON Chemical</i>	<i>804 788 5340 F) 6358 Bob.Campbell@AFTONchemical.com</i>	<i>NU RLC</i>	





Name/Address	Phone/Fax/Email		Signature
James Carter Haltermann Products 3520 Okemos Rd. Suite #6-176 Okemos, MI USA	517-347-3021 517-347-1024 <a href="mailto:jecarter@jhaltermann.com">jecarter@jhaltermann.com</a>	Voting Member	Present 
Chris Castanien The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092 USA	440-347-2973 440-944-8112 <a href="mailto:cca@lubrizol.com">cca@lubrizol.com</a>	Non-Voting Member	Present _____
Timothy L. Caudill Ashland Oil Inc. 22 <sup>nd</sup> & Front Streets Ashland, KY 41101 USA	606-329-1960 x5708 606-329-2044 <a href="mailto:tlcaudill@ashland.com">tlcaudill@ashland.com</a>	Voting Member	Present _____
Martin Chadwick Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238 USA	210-706-1543 210-684-6074 <a href="mailto:martin.chadwick@intertek.com">martin.chadwick@intertek.com</a>	Non-Voting Member	Present _____
Jeff Clark Sequence III Secretary ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, PA 15206 USA	412-365-1032 412-365-1047 <a href="mailto:jac@atc-erc.org">jac@atc-erc.org</a>	Non-Voting Member	Present _____
Sid Clark Southwest Research 50481 Peggy Lane Chesterfield, MI 48047 USA	586-873-1255 <a href="mailto:Sidney.L.Clark@sbcglobal.net">Sidney.L.Clark@sbcglobal.net</a>	Non-Voting Member	Present 
Johnny M De La Zerda Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238 USA	210-523-4621 210-523-4607 <a href="mailto:johnny.delazerda@intertek.com">johnny.delazerda@intertek.com</a>	Non-Voting Member	Present _____

Name/Address	Phone/Fax/Email		Signature
Matt J. Snider GM Powertrain General Motors Corporation MC - 483-730-322 472 823 Jollyn Rd. Pontiac, MI 48090-9055 USA 48340-2920	248-672-3563 248-857-4441 <a href="mailto:mathew.j.snider@gm.com">mathew.j.snider@gm.com</a>	Non-Voting Member	Present 
Thomas Smith Valvoline P.O. Box 14000 Lexington, KY 40512-1400 USA	859-357-2766 859-357-7084 <a href="mailto:trsmith@ashland.com">trsmith@ashland.com</a> PCEOCP Chair	Voting Member	Present _____
Mark Sutherland Chevron Oronite Company LLC 4502 Centerview Drive Suite 210 San Antonio, TX 78228 USA	210-731-5621 210-731-5699 <a href="mailto:msut@chevrontexaco.com">msut@chevrontexaco.com</a>	Voting Member	Present _____
Ben O. Weber Southwest Research Institute 6220 Culebra Road P.O. Box 28510 San Antonio, TX 78228 USA	210-522-5911 210-684-7530 <a href="mailto:bweber@swri.edu">bweber@swri.edu</a> <b>Sub-Committee D02.B01 Chair</b>	Non-Voting Member	Present _____
Joe Vujica The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092 USA	440-347-2058 440-347-4096 <a href="mailto:jsvu@lubrizol.com">jsvu@lubrizol.com</a>	Non-Voting Member	Present _____
Jerry Wang Chevron Oronite Company LLC 7080 Colchester Lane Ypsilanti, MI 48197	734-48-3806 none <a href="mailto:jwdy@chevron.com">jwdy@chevron.com</a>	Non-Voting Member	Present _____

MARK OVERAKER 713-822-3668  
HALTERMANN MHOVERAKER@JHALTERMANN.COM  
HOUSTON, TX 77015

Raham Kirkwood 210-639-3481  
SWRI r.kirkwood@swri.org  
San Antonio, TX



Name/Address	Phone/Fax/Email		Signature
Todd Dvorak Afton Chemical Corporation P.O. Box 2158 Richmond, VA 23218-2158 USA	804-788- 6367 804-788- 6388 <a href="mailto:todd.dvorak@aftonchemical.com">todd.dvorak@aftonchemical.com</a>	Non-Voting Member	Present 
<del>Frank Farber</del> <i>Jeff Clark</i> ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, PA 15206 USA	412-365-1030-2 412-365-1047 <del><a href="mailto:fmf@astmtmc.cmu.edu">fmf@astmtmc.cmu.edu</a></del> <i>jac</i>	Non-Voting Member	Present 
Gordon R. Farnsworth Infineum RR # 5 Box 211 Montrose, PA 18801 USA	570-934-2776 570-934-0141 <a href="mailto:gordon.farnsworth@infineum.com">gordon.farnsworth@infineum.com</a>	Non-Voting Member	Present _____
Joe Franklin Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238 USA	210-523-4671 210-523-4607 <a href="mailto:joe.franklin@intertek.com">joe.franklin@intertek.com</a>	Non-Voting Member	Present _____
David L. Glaezer Afton Chemical Corporation 500 Spring Street P.O. Box 2158 Richmond, VA 23218-2158 USA	804-788-5214 804-788-6358 <a href="mailto:dave.glaezer@aftonchemical.com">dave.glaezer@aftonchemical.com</a> Surveillance Panel Chairman	Non-Voting Member	Present  ← Thanks!
Irwin L. Goldblatt Castrol Americas 240 Centennial Avenue Piscataway, NJ 08854-3910 USA	732-980-3606 973-686-4224 <a href="mailto:irwin.goldblatt@cnacm.com">irwin.goldblatt@cnacm.com</a>	Voting Member	Present _____
Richard Grundza ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, PA 15206 USA	412-365-1031 412-365-1047 <a href="mailto:reg@astmtmc.cmu.edu">reg@astmtmc.cmu.edu</a>	Voting Member	Present 
<del>Larry Hamilton</del> <i>Jerry Brys</i> The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092 USA	440-347-2326 440-347-4096 <del><a href="mailto:ldha@lubrizol.com">ldha@lubrizol.com</a></del>	Non-Voting Member	Present <i>(by phone)</i>

Phil Scinto  
Lubrizol

440-347-2161  
Phil.Scinto@Lubrizol.Com

PPS

Allison Rajakumar  
Lubrizol

440-347-4679  
alpd@lubrizol.com

AMR

Jo Martinez Cronite  
Dan Smolenski

510 242 5563 jogm@chevron.com  
248-255-7892  
donaldj.smolenski@gm.com

JMG

**Agenda**  
**Sequence VG Surveillance Panel**  
**November 19<sup>th</sup> 2009 9.00–12:00 p.m.**  
*GM Technical Center in Warren, MI*

<b>1. Chairman comments.</b>	
<b>2. Attendance sign-in distribution.</b>	
<b>3. Membership changes.</b>	
<b>4. Motion and Action recorders.</b>	
<b>5. Approval of minutes for May 6<sup>th</sup> 2009</b>	<b>All</b>
<b>6. Review action items from last meeting.</b>	<b>Andy Ritchie</b>
<b>7. Test Sponsor report.</b>	<b>Ron Romano</b>
<b>8. TMC Report.</b> - Questions on semi-annual report.	<b>Rich Grundza</b>
<b>9. Current Fuel Supply.</b>	<b>Jim Carter</b>
<b>10. 10. New Fuel Batch Update</b>	<b>Jim Carter</b>
<b>11. Operational and Hardware Items.</b>	<b>All</b>
<b>12. VG parts supply update</b>	<b>Ford Component Sales</b>
<b>13. Review Scope and Objectives.</b>	<b>All</b>
<b>14. Old business</b>	<b>All</b>
<b>15. New business</b>	<b>All</b>
<b>16. Adjourn</b>	



# SVGMII Fuel Report

Mark Overaker

Director of Manufacturing and Supply Chain

Haltermann Products

November 19, 2009

*Test and Reference Fuels*



# Agenda

- Fuel adjustments – Tank History
  - Excel file submitted
- Fuel – Tank Survey
  - Excel File submitted
- Current inventory
- Consumption rate
- Timeframe to next batch
- Proposed plan to re-build next batch
  - Customer input required
    - Average Industry Free-Capacity
    - Time to empty once fully replenished

***Test and Reference Fuels***





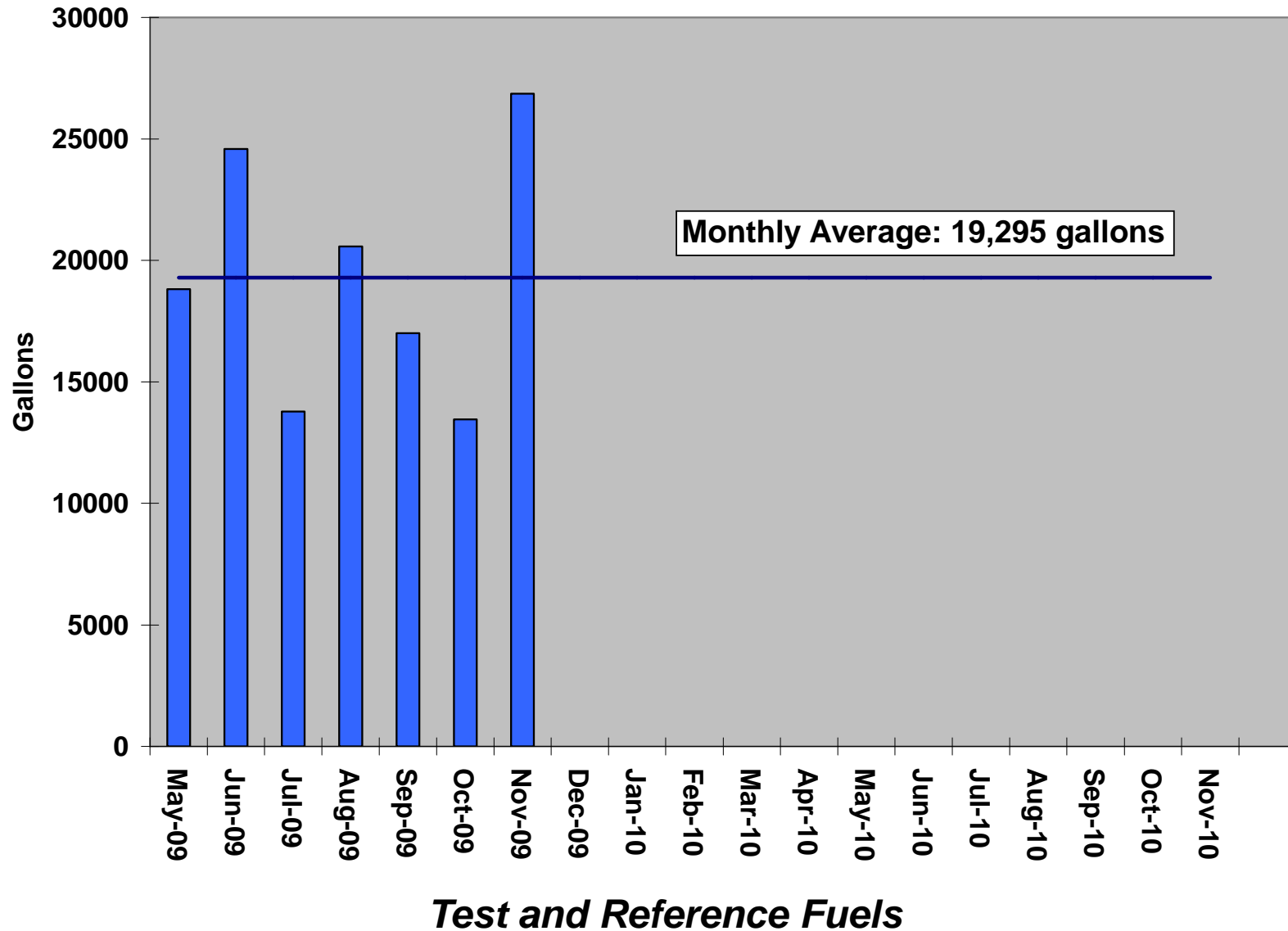
# Current Inventory

- 356,000 gallons starting inventory after testing was completed and fuel was qualified in 5/09
- 140,429 gallons total consumption to date
  - 12,061 gallons used in engine tests
  - 128,368 sold after approval
- RVP Adjustment
  - 2,320 gal “light” stream added (2 adjustments)
- Estimated Inventory as of 11/30/2009
  - 217,891 gallons

*Test and Reference Fuels*



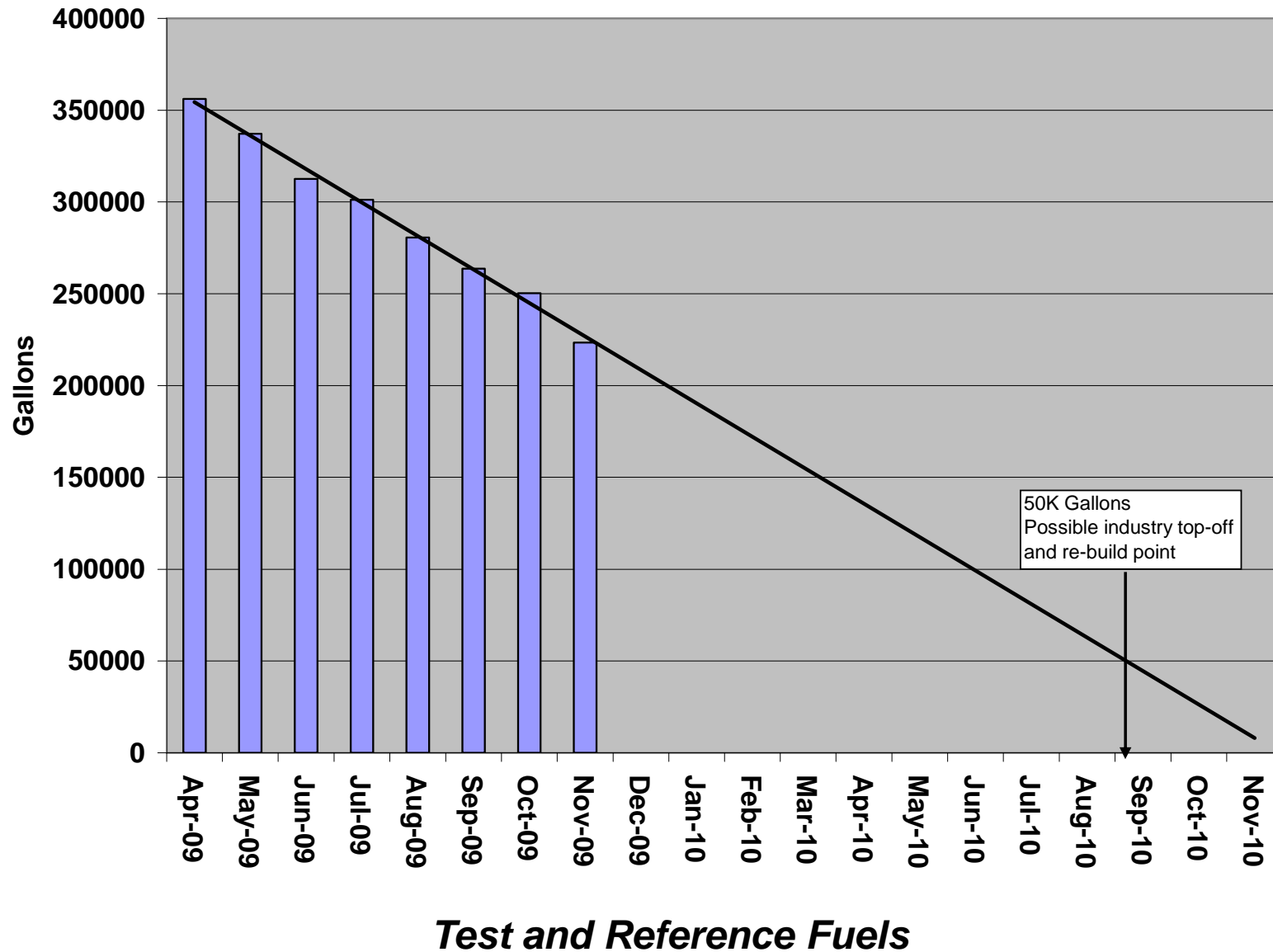
# Monthly Consumption







# Consumption Rate & Re-build Point





# Proposed plan-next re-build

- Deplete inventory to specified level
  - Determine average volume necessary to fill customer inventory to full capacity at any point in time
  - Add heel and safety margin volume to determine level that will trigger re-build plans
  - Action proposed when inventory reaches 30k – 50k gallons
    - Estimate fall 2010
  - Plan Timing
    - Estimate 2 months to re-build
    - 1 month to fill / evaluate and adjust (if necessary)
    - 1 month for engine testing
      - Timing contingent on level of testing needed as determined by the panel
    - Must determine if customers can operate during this period without contingencies

***Test and Reference Fuels***



# Next Batch

- Formulation target identical to last batch
  - CoA and speciation analysis will be conducted
- All components are currently commercially available and are projected to remain so
- Next batch volume must be determined by panel
- Assuming same volume for next batch as last batch, price estimate based on last batch's raw material pricing is \$9.19/gal (actual will be calculated at time of fill) Next batch price drivers
  - 23% reduction from current price
  - Assumes reduction in number of tests by ½
  - Elimination of up-front tank preparation costs

***Test and Reference Fuels***



**Sequence VG Fuel Report**

**November 18, 2009**

**Saleable Gallons (Estimate as of 11-30-09)**

**217,971**

**Average Usage per Month (5-1-09 thru 11-15-09)**

**19,295**

**Number of Tests Supported by Present Inventory**

**145**

**Number of Months of Inventory on Hand to Re-build**

**10**

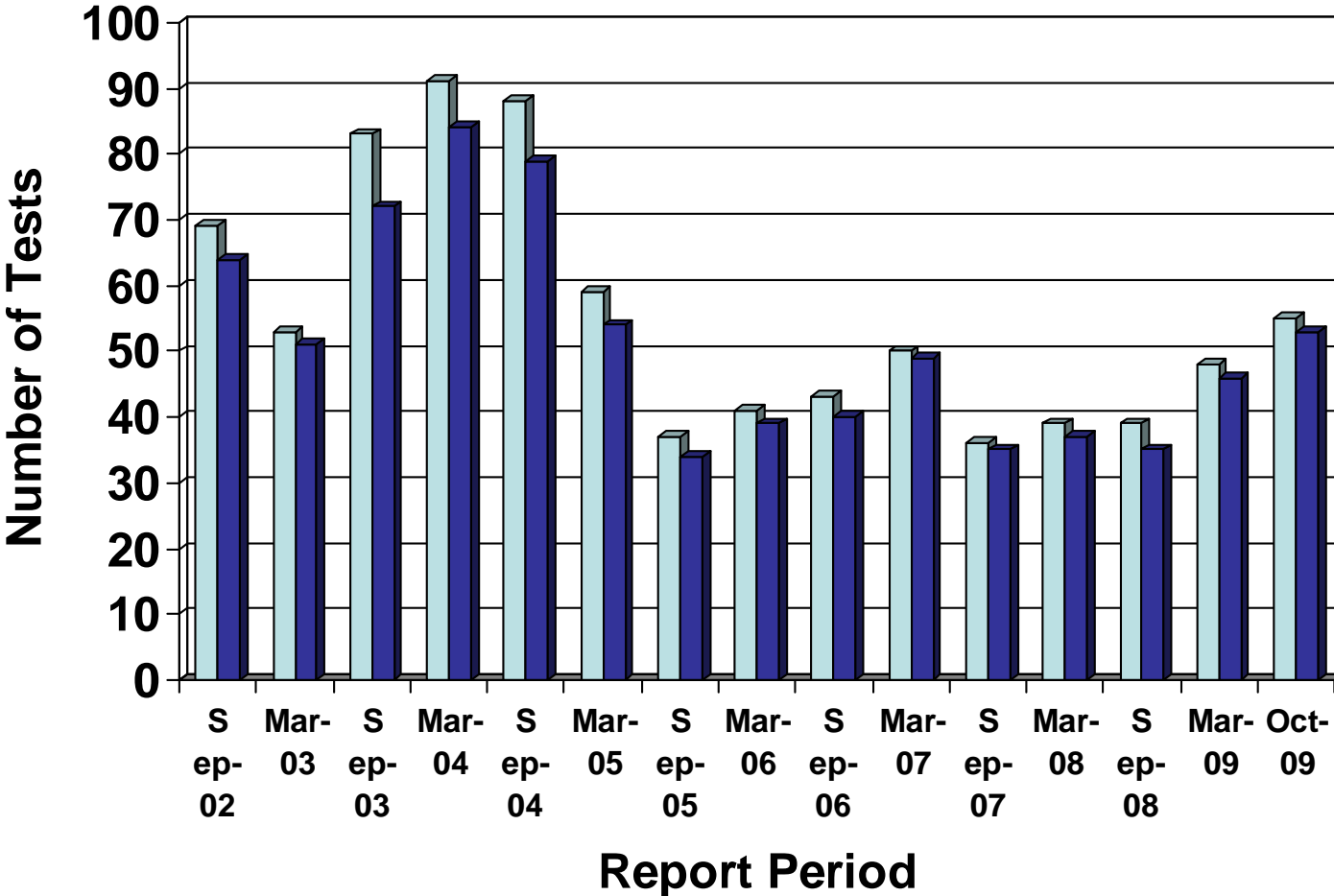
***Test and Reference Fuels***

# **Sequence VG S.P. Presentation to Subcommittee D02.B**

Prepared By: Andrew Ritchie, S.P. Chairman  
November 2009

# Sequence VG S.P. Report

## Candidate Test Activity



Total Reported Tests
  Operationally Valid

# Sequence VG S.P. Report

## Reference Oil Update

- **There is ample supply (3 years or more) of all active VG reference oils:**
  - **925-3**     *SAE 5W30 failing reference oil*
  - **1006-2**   *SAE 5W30 passing reference oil*
  - **1007**     *SAE 5W30 passing reference oil*
  - **1009**     *SAE 5W30 borderline passing reference oil*

# **Sequence VG S.P. Report**

## **Panel Activity**

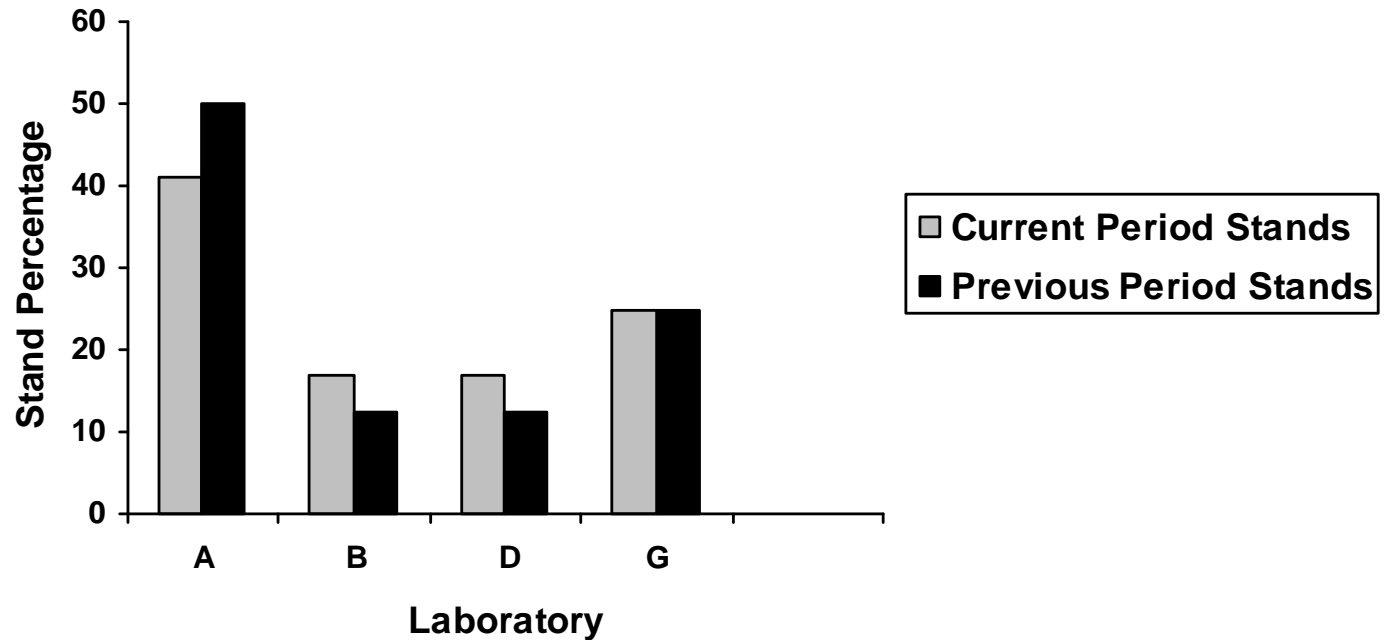
- **The VG Surveillance panel met November 19<sup>th</sup> 2009.**
  - **Surveillance panel will meet next 1H 2010.**
  - **Correction factors for new fuel batch XC2721NX10 approved October 1<sup>st</sup> 2009.**
    - **Information Letter 09-2 Sequence No. 33**
  - **Panel will start process of evaluating a new fuel batch.**



# Sequence VG S.P. Report

## LTMS Laboratory/Stand Distribution

Laboratory/Stand Distribution



# Sequence VG S.P. Report

## Industry Reference Severity Summary

6 month time frame

<u>Variable</u>	<u>Pooled s</u> <u>All Oils</u>	<u>Mean</u> <u>Delta/s</u>	<u>Based</u> <u>on</u>	<u>Delta in</u> <u>Reported</u> <u>Units</u>
RAC	0.23	0.27	8.0	0.06
AES	0.55	0.05	7.8	0.03
APV	0.30	-0.91	7.5	-0.27
AEV	0.13	-0.59	8.9	-0.08
OSCR	0.61	-0.12	20	-1.5

# **Sequence VG S.P. Report**

## **Sequence VG S.P. Scope**

The Sequence V Surveillance Panel is responsible for the surveillance and continued improvement of the Sequence VG test documented in ASTM Standard D6593 as updated by the Information Letter System. Data on test precision and laboratory versus field correlation will be solicited and evaluated at least every six months. Improvements in rating technique, test operation, test monitoring and test validation will be accomplished through continual communication with the Test Sponsor, ASTM Test Monitoring Center, ASTM B0.01, Passenger Car Engine Oil Classification Panel, ASTM Light Duty Rating Task Force, ASTM Committee B0.01, ACC Monitoring Agency and ASTM Motor Rating Methods Group. Actions to improve the process will be recommended when deemed appropriate based on input from the preceding. Industry transition to new engine hardware batches will be monitored and redistribution of existing hardware facilitated to accomplish uniform industry implementation. Development and correlation of updated test procedures with previous test procedures will be reviewed by the panel. This process will provide the best possible test procedure for evaluating automotive lubricant performance with respect to the lubricant's ability to prevent engine sludge, engine varnish, oil screen plugging, oil ring clogging and ring sticking.

# Sequence VG S.P. Report

## Sequence VG S.P. Objectives

<u>Objectives</u>	<u>Target Date</u>
1. Ensure a secure supply of SVGGM2 fuel is available to accommodate testing through GF-5, anticipating the need for one or more additional batch of SVGGM2 fuel to be blended.	Ongoing
2. Review fuel correction factors for new fuel batch XC2721NX10	Complete, See Info Letter 09-2

# **Sequence VG S.P. Report**

**Information Item for Subcommittee B/B01**

Sequence VG Surveillance Panel  
November 19, 2009  
9:00AM – 12:00PM  
GM Technical Center  
Warren, MI

Motions and Action Items  
As Recorded at the Meeting by Bill Buscher

1. Action Item – O&H task force to perform a thorough Sequence VG test procedure review, and to investigate poor precision that was observed during the fuel prove-out matrix.
2. Action Item – Haltermann to distribute monthly status reports for the current fuel batch to the SP members.
3. Action Item – SP to request a fuel batch approval plan from the TGC test fuel task force.
4. Action Item – Schedule a SP conference call in March 2010 to review status of current fuel batch, review the approval process for a new fuel batch and plan for blending a new batch.
5. Action Item – FCS to contact labs with details on shipping and handling costs for the replacement pistons.
6. Action Item – Labs to submit purchase orders to FCS for the replacements pistons within one week of receiving the information mentioned in the action item above.
7. Action Item – To see if we have a potential GF-4 or GF-5 reference oil for the VG, TMC to query suppliers of 5 primary VID reference oils (A, B, C, D and X) to see if data exists for these oils on the other GF-5 engine tests, or if they would be willing to generate data on the other GF-5 engine tests.
8. Action Item – Plan for an LTMS review at the May 2010 Surveillance Panel meeting, or preferably sooner, once the LTMS task force and TGC has met.