### ASTM TEST MONITORING BOARD MEETING December 3, 2012

### Norfolk Waterside Marriott Norfolk, VA

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### Call to Order

ASTM D02.B0.08, the Test Monitoring Board, met on Monday, December 3, 2012 at 5:00 p.m. in the Norfolk Waterside Marriott in Norfolk, VA. There were seven voting members, five non-voting members, and eighteen visitors present in person. Two voting members, Heather DeBaun and Hind Abi-Akar participated via conference call. The attendance list is shown as Attachment A. The minutes from the June 25, 2012 meeting were approved. The agenda is shown as Attachment B.

### **Committee Reports**

Chris Castanien gave the Administrative Guidance Committee report shown as Attachment C. The report shows the projected TMC surplus for 2012 as \$161K.

Bill Buscher gave the Technical Guidance Committee report. There were no overheads. The TGC has not met during this period.

The Test Monitoring Center report is shown as Attachment D. Four board members were re-elected to 2-year terms. Several new and replacement reference oils were received by the TMC this period. Seventeen information letters passed Sub B ballot.

There was no Data Communication Committee activity this period and no report.

All reports were accepted by the board.

### **Old Business**

Frank Farber revisited last June's TMB motion to revise the Regulations Governing the ASTM Test Monitoring System for non-ASTM tests. Frank noted that comments received from the Subcommittee B straw poll and ASTM feedback resulted in additional amendments to the motion. The updated revision is shown as Attachment E. A long discussion ensued about whether the revisions to the regulations were complete; Dwight Bowden suggested that a statement be added to ensure termination expenses are paid by the company or organization when monitoring services are brought to a close. A motion was made to accept Dwight's suggestion. The vote was unanimous to accept the addition. As a result the following section was added:

2.1.3 The company or organization shall agree to cover all existing and incurred costs in terminating the ASTM Test Monitoring Center's monitoring services.

Discussion continued until Ron Romano motioned, Greg Shank seconded, that the revision move forward as shown. The subsequent vote was 8 approves, 0 negatives and 1 abstain. The next step was to move the revision to Subcommittee B so that a Sub B ballot could be authorized.

### **New Business**

Robert Stockwell from GM presented Attachment F. GM would like to have the ASTM Test Monitoring Center provide services for their Oxidation & Deposit test provided that a Subcommittee B ballot to allow TMC to monitor non-ASTM tests, if authorized, passes. Several concerns were raised regarding how the project was going to be funded. The response from GM was that they intended on funding TMC start-up costs and first year lab visit expenses. The 1<sup>st</sup> year of monitoring (post-precision matrix) would be underwritten by GM to ensure all TMC expenses are covered. No ASTM TMC funds would be used to support the GM test. After a lengthy discussion over details of this request Chris Castanien and Robert Stockwell agreed to work together to detail funding and services requested so the Test Monitoring Board could revisit this item in January and February. Depending on the outcome of the Sub B ballot on the revisions to the Regulations Governing the ASTM Test Monitoring System noted under Old Business it is understood that this specific request will need to be voted on by the Test Monitoring Board and if approved will be moved to Subcommittee B for consideration. The Test Monitoring Board agreed to hold teleconferences in January and February to address this item.

### **Next Meeting**

The next meeting is scheduled for June 24, 2013 in Montreal, Quebec.

### Adjournment

The meeting was adjourned at approximately 7:00 p.m.

Respectfully submitted, Frank M Farber

Frank M. Farber, Secretary ASTM Test Monitoring Board

FMF/fmf Attachments

### ASTM TEST MONITORING BOARD MEETING

December 3, 2012 Norfolk Marriott Norfolk, VA

### Voting Members

NAME	COMPANY AND ADDRESS	PHONE NUMBER E-MAIL ADDRESS FAX NUMBER	PRESENT
Hind Abi-Akar	Caterpillar, Inc. Old Galeena Road Building H3000 Mossville, IL 61552-3000	Phone: (309) 578-9553 e-mail: <u>abi-akar hind@cat.com</u> FAX: (309) 578-1485	
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	9AB
Chris Castanien AGC Chairman	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092	Phone: (440) 347-2973 e-mail: cca@lubrizol.com FAX: (440) 944-8112	ac
Heather DeBaun	International Truck & Engine Corp 10400 W. North Avenue Melrose Park, IL 60160	Phone: (708) 865-3788 e-mail: heather.debaun@navistar.com FAX: (708) 216-0680	
Steve Kennedy	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
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	WL
Andrew Ritchie	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	V
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:	AC
Greg Shank	Volvo Powertrain 13302 Pennsylvania Avenue Hagerstown, MD 21742	Phone: (301) 790-5817 e-mail: greg.shank@volvo.com FAX: (301) 790-5815	118

### ASTM TEST MONITORING BOARD MEETING

December 3, 2012 Norfolk Marriott Norfolk, VA

### Non-Voting Members

NAME	COMPANY AND ADDRESS	PHONE NUMBER E-MAIL ADDRESS FAX NUMBER	PRESENT
Wes Venhoff L-37	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092-2298	Phone: (440) 347- e-mail: Wes.Venhoff@Lubrizol.com FAX: (440) 347-4096	
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	
William Buscher, III Sequence IVA TGC Chairman	Southwest Research Institute 6220 Culebra Road San Antonio, TX 78228-0510	Phone: (210) 522-6802 e-mail: <u>wbuscher@swri.org</u> FAX: (210) 684-7523	WATS
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	
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: <u>mawc@chevrontexaco.com</u> 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	
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	1/2
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 Glaenzer Sequence IIIF/IIIG	Afton Chemical Corporation 500 Spring Street, P.O. Box 2158 Richmond, VA 23218-2158	Phone: (804) 788-5214 e-mail: dave.glaenzer@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	
Rebecca Grinfield EOFT, EOWT HD Elastomers	Southwest Research Institute 6620 Culebra Road San Antonio, TX 78228-0510	Phone: (210) 522-3652 e-mail: <u>bgrinfield@swri.edu</u> FAX: (210) 684-5907	
Jerry Gropp B03 Chairman	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092	Phone: (440) 347-1223 e-mail: <u>ilg@lubrizol.com</u> FAX: (440) 347-1555	get g
Jim Gutzwiller Scote/C13	Infineum USA, L.P. 4335 West Piedras Drive, Suite101 San Antonio, TX 78228	Phone: (210) 732-8132 x13 e-mail: james.gutzwiller@infineum.com FAX: (210) 732-8480	

### ASTM TEST MONITORING BOARD MEETING December 3, 2012 Norfolk Marriott Norfolk, VA

### **Visitors**

NAME	COMPANY AND ADDRESS	PHONE NUMBER E-MAIL ADDRESS FAX NUMBER	PRESENT
Jim Linden	LINDEN CONSULTING, LLC	248-721-5347	
Irwin Goldblatt	bp lulnearts	1-win, goldblott@ pp. com 973-686-3206	
Brent Calant	Afton	brent. calcut @ afton chemical.c	om V
Nepper Now	Nann Consultant, In	NORBNANN 1@402.com 845-297-4333	~
MIKE MEMILLAN	MLM CONSULTING INC	MM MILLANIZZ ST COMCAST, WE	7
Galen Greene	BASF	973 87) 4816 Galer, greene @BASF, Com	V
Appen Glundle	HORISA	737 546 1792 ordan. gilmone Charlos.com 856 224 2660	/
CHARLED BAKEN	BOXONHODL(	CHARLES. L. BALLER Q & KONHUPILLO	w -
Dr. DEEPAK SAXENA	INDIAN DIL CORBRATION INDIA		~
Joan Evans Bob Salguero	Infreed	Joan wans infreencem	m
DON SMOLENSH	Evenik Oil Address	dovaldi smolenskia Lionik com	
Beth Schwab	After Chemical	beth. schwab cafton chemica 804-788-5229	1.62
Charles PASSAT		804-677-1805 Passutc@yahoo.com	/

Jounet Barker Southwest Research Inst. 210-522-6824 jberter Oswinions DWIGHT BOWDEN OH TECHNOLOGIES DNC 440-354-7007 DHBOWDEN OHTECH.COM.

MATTHEW Bowden OH TECHNOLOGIES INC. 440-354-7007 Ms bowden @ Outech.com

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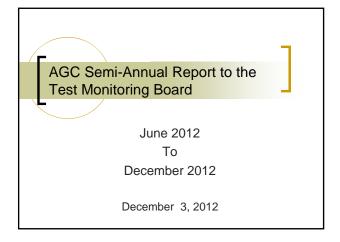
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### ASTM TEST MONITORING BOARD MEETING Monday – December 3, 2012 5:00 - 6:30 PM Norfolk Waterside Marriott Norfolk, VA

### **AGENDA**

- 1. Call to Order
- 2. Approval of June 25, 2012 Minutes
- 3. Membership
- 4. Receive, Accept and Take Action on Reports
  - Administrative Guidance Committee Chris Castanien
  - Technical Guidance Committee Bill Buscher III
  - Test Monitoring Center Frank Farber
  - Data Communications Committee Frank Farber
- 5. Old Business
- 6. New Business
- 7. Next Meeting
  - Monday June 24, 2013 Montreal, Quebec
- 8. Adjournment



### 

### AGC Responsibilities

- Advise the TMC Administrator on general business activity
- Advise the TMC Administrator in finalizing the annual budget, manpower requests and contract recommendations
- Prepare an annual evaluation and salary recommendations of the TMC Administrator and Staff for presentation to the Board

### TMC Fiscal Performance Fiscal Year 2004 -\$205,293 Fiscal Year 2005 \$125,648 Fiscal Year 2006 \$124,141 Fiscal Year 2007 \$177,815 Fiscal Year 2008 \$ 70,864 Fiscal Year 2009 \$469,773 Fiscal Year 2010 \$415,224 Fiscal Year 2011 \$483,558 Fiscal Year 2012 \$161,000\* \* Projected

### FY 2012 TMC Projected Performance

- Projected expenses are above budget
- Projected income is above budget
- Projecting a surplus of \$161,000

### FY 2012 TMC Projected Performance

Line Item	2011 EOY1	2012 Budget	2012 Projected
Total Expenses	\$2,137,291	\$2,424,700	\$2,733,670
Revenues	\$2,587,559	\$1,982,656	\$2,883,647 <sup>2</sup>
Revenue - Expense	\$450,268	-\$442,004	\$149,977
Interest	\$33,290	\$37,000	\$10,560
Net	\$483,558	-\$405,044	\$160,537
Reserves	\$4,355,718 <sup>3</sup>	\$3,950,674 <sup>4</sup>	\$4,516,255
Months Reserve	24	19	20
Fee Adjustments	None	None	None
New Tests	None	None	None
Reg. FT Headcount	13	14	15

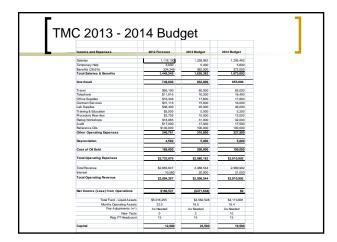
### TMC Forecast – FY 2013 Assumptions

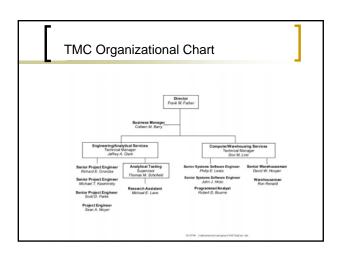
Salary increases, 2.9% (2013)

- Benefits (fringe)
  - 0 28.6% (2013)
  - 0 30.1% (2014)
- Continued participation in new development

### TMC – 2012 Budget Notables

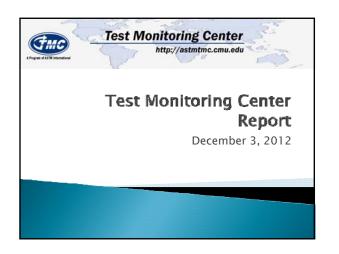
- Reference oil purchase over budget
- Obsolete reference oils discarded
- Sale of remaining Sequence VI baseline and flush oil occurred
- Addition of new TMC staff member
- Reference testing better than expected

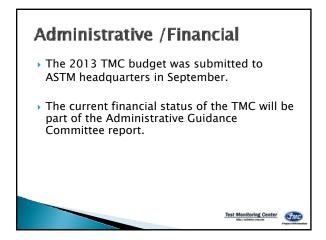




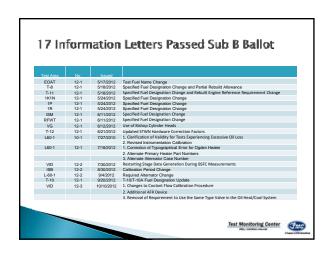
### Action Items

Approval of this report

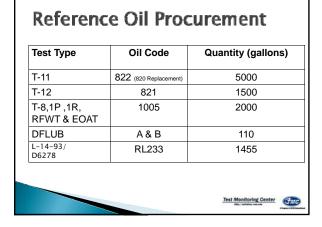


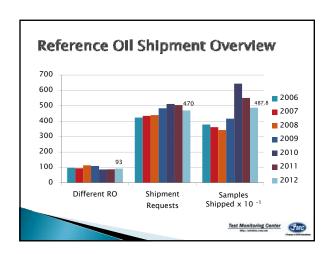


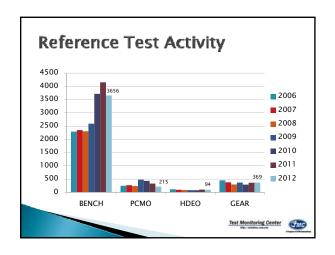
# Staffing The TMC staff count is now at 15 full-time employees. The TMC is employing some temporary student help in our chem lab and warehouse group.

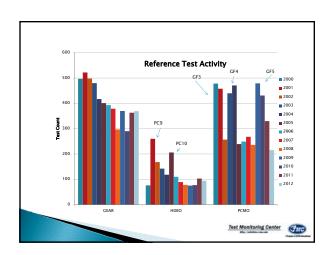


# TMB Elections Four current board members are up for reelection to 2-year terms. The ballots closed December 1, 2012. All were re-elected: Ron Romano Greg Shank Bill Lam Steve Kennedy

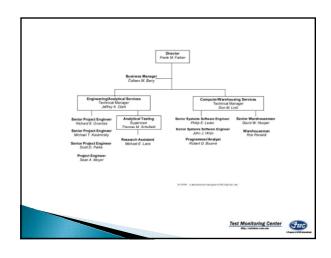














### **TMB Motion**

At the June 2012 ASTM Test Monitoring Board (TMB) meeting, the TMB addressed a request by the ASTM Test Monitoring Center (TMC) to revise the Regulations Governing the ASTM Test Monitoring System. This revision is to allow the TMC to monitor non-ASTM test procedures. A subsequent Sub B straw poll and ASTM headquarters' review resulted in modification to the original revision request.

A motion is made to the TMB to request a ballot be issued at Sub B to revise the Regulations Governing the ASTM Test Monitoring System as follows:

### **ARTICLE 2 - PURPOSE**

2.1 The purpose of the System is to establish, maintain and operate an independent calibration system to ensure that all tests performed using test procedures published by ASTM and which are under the jurisdiction of ASTM Committee D02 /or monitored by the ASTM Test Monitoring Center are conducted in a valid manner so they can be interpreted properly.

The System shall be restricted to monitoring only tests assigned to it by ASTM Subcommittee D02.B0.approved by the Test Monitoring Board and ASTM Subcommittee D02.B0.

A company or organization requesting the ASTM Test Monitoring Center to monitor a non ASTM test method must enter into an agreement with the ASTM Test Monitoring Center which details the procedures and policies that shall be followed. The agreement shall be approved by an affirmative vote of at least two-thirds of the Test Monitoring Board and Subcommittee D02.B0.

2.1.1 The monitoring of test procedures shall be under the review of the ASTM Test Monitoring Board. The test procedures shall follow all required procedures and policies of the ASTM Test Monitoring System. Failure to follow all required procedures and policies may result in withdrawal of the monitoring services for a test procedure. An affirmative vote of at least two-thirds of the Test Monitoring Board membership is required for withdrawal of services.

### Attachment A

### Agreement to Provide Test Monitoring Services for a Non ASTM Test Method

This Agreement ("Agreement") effective	(the Effective Date), between ASTM
International ("ASTM"), a Pennsylvania nonprofi	it corporation, having its principal place of
business at 100 Barr Harbor Drive, West Consho	hocken PA 19428 USA and
(Company/Organization), having its principal pla	ice of business
at:(Company/Organization) de	sires to have the ASTM Test Monitoring Center
(TMC) operate an independent calibration syste	m to ensure that all tests performed using the
(name of test procedure) are conducted in a val	id manner so that they can be interpreted
properly. To achieve this goal, the TMC with sup	port from (Company/organization) will perform
the following services:	

### **Reference Materials**

- Work with company/organization and industry to identify new reference oils for the test.
- Maintain a series of reference materials of different performance levels to assure a minimum 5-year supply. Single homogeneous quantities will be procured.
- Maintain a supply of these reference materials which may be purchased by testing laboratories for the performance of calibration tests. Reference materials may also be supplied for other appropriate applications depending on availability.
- Work with Company/organization and industry to select new reference materials and approve new batches of currently used reference materials.
- Maintain Quality Assurance and Quality Control systems to ensure the ongoing integrity of reference materials.

### **Test Calibration / Monitoring System**

- Develop a calibration system with company/organization and industry.
- Collect and statistically analyze reference material test data to determine stand/apparatus and laboratory calibration status, per the defined calibration system.

- Review test results and associated operational data for adherence to prescribed test procedure and for accuracy of reported results.
- Ensure that test stands and testing laboratories participating in the system are calibrated in accordance with prescribed procedures.

### **Test Calibration / Monitoring System (continued)**

- Visit test laboratories as necessary to ensure compliance with the current test procedures and assist the laboratories in solving problems.
- Work with company/organization and the individual testing laboratories to improve and standardize the operating procedures, practices, and measurement methods to improve the repeatability and reproducibility of the test.
- Monitor laboratory calibration test severity and precision and work with individual laboratories and company/organization to resolve severity and precision shifts.
- Provide the trained personnel and systems necessary to meet the monitoring requirements of the calibration system.
- Provide and maintain a control charting system.

### **Database Maintenance and Data Reporting Structure**

- Maintain a website that provides company/organization and industry access to all necessary data and documents contained in the calibration system.
- Maintain a secured relational database for test results.
- Maintain test report packages, data dictionaries, and electronic data transmission protocol.
- Receive and store results for all reference material tests.
- Provide test registration services
- Maintain data integrity, security, and back up plans.
- Provide the trained personnel, software, and systems necessary to meet all database maintenance and data report requirements
- Maintain the confidentiality of all information which is not public knowledge.

### **Reporting of Information**

- Periodically (at least semi-annually) report to company/organization and industry stakeholders as appropriate, test severity and precision trends based upon calibration test data.
- Periodically (at least semi-annually) report to company/organization and industry stakeholders as appropriate, test stand and laboratory calibration information (summarized industry wide calibration test data, and as requested, specific laboratory calibration test data).
- In cooperation with the company/organization, maintain a system for disseminating new information concerning the test procedures.
- Maintain the capability to provide supplemental data analysis as requested by company/organization and industry.

### **Industry Stake Holder Meetings**

- TMC will participate in industry stake holder meetings.
- The TMC will post meeting minutes on the website for industry retrieval.

### **Cost of Services**

• TMC will develop a fee structure so that the monitoring service is financially self supporting. Depending on test volume the fee structure could be set-up on a per test basis or semi-annual or annual billing structure.

The company/organization agrees to cover all existing and incurred costs in terminating the TMC monitoring services.

The company/organization agrees to defend, indemnify, and hold harmless ASTM (its members, directors, officers, employees, agents, and representatives) against any and all liability, loss, costs, damages, attorneys' fees, and expenses of whatever kind or nature that they may sustain or incur by reason of any claim against them resulting from any acts or omissions of the company/organization or that relate in any way to this Agreement, the Program, or ASTM Procedures. The provisions of this Section survive the termination of this Agreement.

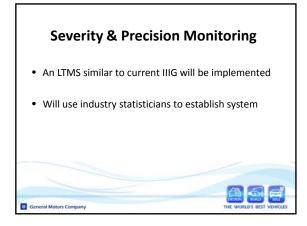
	(Company/Organization) comply may result in term	•	requirements	and
Name Company/Organiza Name Title Date	tion			
ASTM International Name Title				

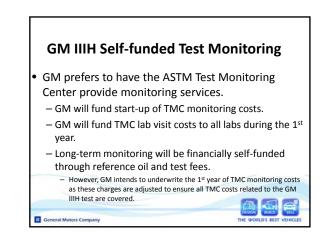
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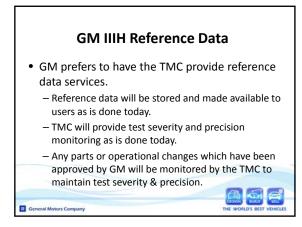


### GM IIIH Testing To date Total of 6 tests run at the San Antonio labs Two different oils tested; one a reference oil with promising results Expect to run all IIIG reference oils in the near future Focusing on finalizing test conditions and hardware Test procedure expected to be finalized by Q1 2013 GM funded precision matrix at the San Antonio labs to start Q2 2013 Procedure and parts to be made available to additional laboratories in Q2 2013

General Motors Company









### GM IIIH Candidate Data GM prefers to have the TMC provide test registration services. If the GM IIIH is accepted into GF-6, GM will abide by the ACC test registration system. GM will not have access to company specific test results.

