



## Test Monitoring Center

Carnegie Mellon University  
6555 Penn Avenue, Pittsburgh, PA 15206, USA

<http://astmtmc.cmu.edu>  
412-365-1000

MEMORANDUM: 09-063  
DATE: December 2, 2009  
TO: ASTM Test Monitoring Board  
FROM: Frank M. Farber  
SUBJECT: ASTM TMC Semiannual Report

### ADMINISTRATIVE/FINANCIAL

The TMC financial audit for the period February 1, 2009 through January 31, 2010 is scheduled for the week of March 22, 2010 by Lally, Lally & Co. LLC. The current financial status of the TMC will be part of the Administrative Guidance Committee report.

Jeff Clark is in the process of interviewing candidates to fill a staff engineer's position created by the re-organization after John Zalar's retirement. The TMC staff count is at 14 full-time employees. The updated TMC organizational chart is shown in Attachment A.

CMU Reserve Cash account funds were transferred in October 2009 to the ASTM custodian account to seek higher interest income.

The contract between ASTM and Carnegie Mellon University (CMU) will need to be renewed by February 1, 2010. A multi-year contract will be pursued.

A presentation on TMC services was made to the D15.11 Heavy Duty Coolants Sub-committee on October 28, 2009. No action was taken by the committee.

A conference call between Lee Grant (Southwest Research), Chris Castenien (AGC Chairman) and Frank Farber occurred to discuss gear test area billing issues. During the call it was agreed that the B03 surveillance panels would need to discuss adjusting reference periods / number of tests required for new stands and reference oil mix before any change to the semi-annual billing process occurred. Southwest Research agreed to have the B03 surveillance panels discuss and address referencing requirements and billing method proposals.

The J04 Chairman, John Rhode has contacted the TMC about being the supplier of two reference fluids for:

ASTM D5001 - 08 Standard Test Method for Measurement of Lubricity of Aviation Turbine Fuels by the Ball-on-Cylinder Lubricity Evaluator (BOCLE).

The two fluids are similar to the fluids being supplied by the TMC for the Diesel Fuel Lubricity Tests (D6078 and D6079).

**INFORMATION LETTERS**

The following 24 information letters have been issued by the TMC since the last report.

Test Type	Information Letter	Date Issued	Subject
IIIG	09-2	5/28/09	1. Additional Fuel Analysis 2. Reporting of Test Results 3. Replacement of Oil Pan Gasket
IVA	09-1	6/18/09	1. Valve Spring Measurements 2. Number of Runs on Cylinder Head, Block, Distributor, and Oil Cooler 3. Monitoring of RAC Coolant Inlet and Outlet Temperatures, Engine Coolant Pressure, and Front Cover Fresh Air Flow
VG	09-1	6/3/09	1. Approval of Fuel Batch XC2721NX10 2. Clarification of Test Reporting Requirements
VID*	09-1	5/27/09	1. Revision to Stand/Engine Calibration Requirements 2. Adjustment of FEI Results for Engine Hours 3. Precision Statement
VIII	09-1	5/28/09	1. Changes to Downtime Limits 2. Clarifications of Test Reporting Requirements
1K/1N	09-1	6/9/09	Corrected Tolerance for Top Ring End Gap Clearance for 1K / 1N Test
HTCT	09-2	5/19/09	Shift Time RPM Correction
EOEC	09-1	6/11/09	Addition of Passenger Car Elastomer Test Precision Estimates
L60-1	09-1	7/7/09	Revised Figure A2.1
IIIG	09-3	7/28/09	Sequence IIIGB Phosphorus Retention Correction Factor
IIIF	09-1	8/13/09	Deletion of Requirement to Mail Hard Copy Test Report to TMC
IIIG	09-4	8/13/09	Deletion of Requirement to Mail Hard Copy Test Report to TMC
VIB	09-1	8/18/09	Deletion of Requirement to Mail Hard Copy Test Report to TMC
ISM	09-1	8/19/09	Deletion of Requirement to Mail Hard Copy Test Report to TMC
ISB	09-1	8/19/09	Deletion of Requirement to Mail Hard Copy Test Report to TMC
1K1N	09-2	8/24/09	Correction to 1K/1N Liner Requirements Hard Copy Final Report Requirement
1MPC	09-1	8/24/09	Addition of 1Y3995 and 5H5657 Cylinder Liners
1P	09-1	8/24/09	Use of 1Y3997 Cylinder Liners
1R	09-1	8/24/09	Use of 1Y3997 Cylinder Liners
EOEC	09-2	9/1/09	Revision of Passenger Car Elastomer Test Precision Estimates
OSCT	09-1	9/4/09	Revised Extensometer Calibration Procedure
IVA	09-2	9/22/09	Deletion of Requirement to Mail Hard Copy Test Report to TMC
VG	09-2	10/2/09	Update of Fuel Batch XC2721NX10 Correction Factors
IIIG	09-5	10/12/2009	Engine Build Changes

\* This info letter was included in a July ballot of the VID method. Since the ballot passed there was no need to ballot the separate info letter.

Twenty-three letters were on the regular Fall Subcommittee B information letter ballot (09-10). No negatives or comments were received.

### **ACC MA / ATC ERC PROJECTS**

These projects are now in their second year of the four-year contract period. The work continues to progress successfully.

### **TMB ELECTIONS**

The nominating committee is in the process of addressing 4 positions up for election. All 4 current members are eligible for re-election. Each has indicated willingness to continue for another 2-year term. The ballot will be processed shortly.

### **NEW REFERENCE OILS/FLUIDS**

The following reference oils were received and processed by the TMC during the period from July 1, 2009 to December 1, 2009.

<u>Test Type</u>	<u>Oil Code</u>	<u>Quantity (gallons)</u>
T-8	1005-3	2000
L-37	152-2	110
D6078, D6079	DFA10*	110

\*Lubricity test fluid

During this same time period, the TMC shipped 69 different reference oils to fill 201 shipment requests for a total of 1,736 individual oil samples.

The TMC is in the process of securing Sequence VID Baseline and Flush oil re-supply. Blending is expected in late January 2010.

### **CALIBRATION TEST REPORTING**

During the period from June 1, 2009 to October 31, 2009, 1468 calibration tests were reported to the TMC. Virtually 100% of all tests reported to the TMC are transmitted electronically.

FMF/fmf

Attachment

c: [ftp://ftp.astmtmc.cmu.edu/docs/test\\_monitoring\\_board/TMC-12-2009.pdf](ftp://ftp.astmtmc.cmu.edu/docs/test_monitoring_board/TMC-12-2009.pdf)

Distribution: Email

# Attachment A



A Program of ASTM International

## Test Monitoring Center

Carnegie Mellon University  
6555 Penn Avenue, Pittsburgh, PA 15206, USA

<http://astmtmc.cmu.edu>  
412-365-1000

