



## Test Monitoring Center

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MEMORANDUM: 03-116  
DATE: November 7, 2003  
TO: Gordon Farnsworth, Chairman, ASTM Test Monitoring Board  
FROM: John L. Zalar  
SUBJECT: ASTM TMC Semiannual Report

### ADMINISTRATIVE/FINANCIAL

The ASTM Board of Directors approved the 2004 Test Monitoring Center budget and three-year financial plan on October 28, 2003. Details of the budget and three-year plan will be included in the Administrative Guidance Committee Report. There have been no changes in TMC personnel during the past six months and staffing remains at 17 full-time employees. The current TMC organizational chart is shown in Attachment A.

### INFORMATION LETTERS

The following 21 information letters have been issued by the TMC since my last report.

<u>Information Letter</u>	<u>Date Issued</u>
Sequence IIIF No. 03-1	07/18/03
Sequence IIIF No. 03-2	08/12/03
Sequence IIIG No. 03-1	08/19/03
Sequence IIIG No. 03-2	09/09/03
Sequence IIIG No. 03-3	09/23/03
Sequence VG No. 03-3	09/05/03
Sequence VIB No. 03-3	08/15/03
M11 No. 03-1	08/26/03
M11EGR No. 03-1	10/03/03
T-10 No. 03-2	09/08/03
L-33-1 No. 03-1	05/07/03
L-33-1 No. 03-2	09/16/03
L-37 No. 03-4	10/09/03
L-42 No. 03-3	09/15/03
L-60-1 No. 03-3	05/06/03
L-60-1 No. 03-4	08/01/03
L-60-1 No. 03-5	09/29/03
HTCT No. 03-1	09/16/03
BRT No. 03-2	07/22/03

<u>Information Letter</u>	<u>Date Issued</u>
CBT No. 03-1	09/22/03
HTCBT No. 03-1	09/22/03

All of these letters are on the regular Fall Subcommittee B information letter ballot. There were no pre-balloted information letters during the past six months.

### REFERENCE OILS RECEIVED

The following reference oils were received and processed by the TMC during the period from May 1, 2003 to October 31, 2003.

<u>Test Type</u>	<u>Oil Code</u>	<u>Quantity (gallons)</u>
L-37	L37LT1*	10
L-37	L37LT2*	10
1P, 1R, M11, T-9, RFWT, EOAT	1005-2	1500

\* Oils being evaluated for use as reference oils for the L-37

During this same time period, the TMC made 247 shipments of reference oils containing a total of 1,690 individual oil samples.

### REFERENCE OIL BOOKLET

An updated version of the booklet entitled *ASTM Reference Oils* is now available on the TMC web site at [ftp://astmtmc.cmu.edu/docs/ASTM\\_Reference\\_Oils\\_2003.pdf](ftp://astmtmc.cmu.edu/docs/ASTM_Reference_Oils_2003.pdf).

### CALIBRATION TEST REPORTING

During the period from May 1, 2003 to October 31, 2003, 1451 calibration tests were reported to the TMC. Also, during this same period, 94% of all tests reported to the TMC were transmitted electronically.

### NEW TMC MONITORED TESTS

During the past six months, the TMC started monitoring the Sequence IIIG and T-11 tests. These tests have been added to the LTMS. The recently defined IIIGA, which provides for reporting of MRV results associated with each IIIG test, is now being incorporated into the LTMS. Other new tests anticipated include the Caterpillar C-12 and the Cummins ISM.

## **TMC COMPUTER SYSTEM ENHANCEMENTS**

Several significant changes have been made to the Test Monitor Center computer system over the last few months. As of October 2003, the migration from Windows NT Server to Windows 2000 Server was completed. This migration has resulted in a more secure mail system and improved backup capability through data file replication. In connection with this work, the TMC web page was moved from our oldest Windows server to a faster, more reliable server. At the same time, the Windows file storage capacity has been increased by a factor of 10. In addition to the Windows server changes, all production telecom processing was moved from our oldest UNIX server to a newer, faster UNIX server. Additional memory and drive capacity will be added to the newest UNIX server before the end of the year to improve data base transaction speed and allow for increased data storage. Current active onsite servers consist of two Windows 2000 and two UNIX servers.

From a software standpoint, the transition to creating report forms and data entry screens via pdf format is completed. All that remains is to improve form access time and reliability. These improvements should be finished by the end of the year.

By the end of this year, the TMC will have offsite backup of its main database and distributed file system. A Windows server will be housed in a pass code secure room located in Carnegie Mellon's Cyert Hall and maintained with the assistance of the university computer services group. This system will prevent loss of critical systems in the event of a catastrophe at the TMC office building.

To provide industry with increased flexibility and to augment the current TMC oil assignment process, the TMC will develop an on-line oil assignment request form that can be accessed via a web browser. This should be available by the end of the 1<sup>st</sup> quarter of 2004. Other plans for next year include the study of migrating the UNIX based database to a Windows platform for improved speed, user friendliness and cost savings.

JLZ/jlz/mem03-116.jlz.doc

Attachment

c: ASTM Test Monitoring Board

[ftp://astmtmc.cmu.edu/docs/test\\_monitoring\\_board/TMC-12-2003.pdf](ftp://astmtmc.cmu.edu/docs/test_monitoring_board/TMC-12-2003.pdf)

# Attachment A

