



# Test Monitoring Center

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MEMORANDUM: 03-055  
DATE: May 20, 2003  
TO: ASTM Test Monitoring Board  
FROM: John L. Zalar  
SUBJECT: ASTM TMC Semiannual Report

## ADMINISTRATIVE/FINANCIAL

The Test Monitoring Center audit for the period February 1, 2002 through January 31, 2003 was completed in April by Ernst and Young. The outcome of the audit was favorable. A copy of the audit report has been electronically distributed to the Test Monitoring Board mailing list.

There have been no personnel changes during the past six months. The TMC staff count remains at 17 full-time employees. The current organizational chart is shown as Attachment A.

## INFORMATION LETTERS

Information letter activity has been high. 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. 02-4	11/15/02
Sequence IVA No. 02-4	12/18/02
Sequence VG No. 02-5	10/25/02
Sequence VG No. 03-1	2/27/03
Sequence VG No. 03-2	4/10/03
Sequence VIB No. 03-1	3/27/03
Sequence VIII No. 02-2	11/18/02
1R No. 03-1	2/27/03
T-10 No. 03-1	2/14/03
6V92TA No. 02-1	10/23/02
L-33-1 No. 02-1	12/6/02
L-37 No. 03-1	2/18/03
L-37 No. 03-2	4/4/03
L-37 No. 03-3	4/21/03
L-42 No. 03-1	1/16/03
L-42 No. 03-2	4/15/03
L-60-1 No. 03-1	1/21/03
L-60-1 No. 03-2	2/27/03

<u>Information Letter</u>	<u>Date Issued</u>
BRT No. 03-1	4/21/03
HTCBT No. 02-1	11/1/02
Two-Stroke Cycle No. 02-2	12/19/02

All of these letters are on the Spring Subcommittee B information letter ballot, except Sequence VG No. 03-1. This information letter was pre-balloted due to controversy within the surveillance panel. Subcommittee B approved the letter on January 20, 2003. In addition, another proposed Sequence VG information letter and a proposed Sequence VIB information letter, deemed controversial and likely to receive at least one disapprove vote each, were pre-balloted within Subcommittee B. After reviewing two negatives received, the Sequence VG Surveillance Panel decided not to issue their proposed information letter and will ask Subcommittee B to withdraw this item from the ballot. The Sequence VIB Surveillance Panel is working on the resolution of two negatives received on their proposed information letter and will put forth a recommendation to Subcommittee B.

### **TMB SPECIAL ELECTIONS**

Two TMB user member positions became vacant due to the resignations of John Shipinski and Barry Jecewski. Nominees Hannah Murray and Robert Stockwell have been placed on a Subcommittee D02.B ballot for confirmation prior to the June 16, 2003 TMB meeting.

### **L-37 RATER CALIBRATION**

Following a one-year trial period, the L-37 Surveillance Panel has approved the implementation of a Rater Calibration Monitoring System (RCMS). Based on the LTMS, the system uses control charts to evaluate individual rater precision and severity. Every six months, each L-37 rater receives a shipment of four pinion gears from the TMC. The four pinion gears are randomly selected from a larger pool of pinions stored at the TMC. The rater rates one designated tooth on each pinion and reports the ratings to the TMC. Control charts are generated and evaluated against the RCMS criteria for precision and severity. Each pinion has a target mean and standard deviation for the four rated distress types. If all charts are determined to be "in control," the rater is considered calibrated for a period of six months. However, if one or more of the control charts indicates a precision and/or severity problem, additional ratings may be required to confirm a rater's calibration status. The system is designed so that new raters can enter the system at any time and existing rater calibration issues can be resolved in a timely manner.

### **CRC RATER WORKSHOP PROPOSAL**

In response to a CRC request for proposal (CRC Project No. CM-139), the TMC submitted a proposal to serve as the CRC Deposit/Distress Workshop Coordinator and organize two rating workshops per year. A letter from CRC dated April 21, 2003 stated that, although the technical proposal submitted by the TMC was highly rated, the contract was awarded to another bidder whose proposed costs were considerably lower than those proposed by the TMC.

**REFERENCE OILS**

The following reference oils were received and processed by the TMC during the period from November 1, 2002 to April 30, 2003.

<u>Test Type</u>	<u>Oil Code</u>	<u>Quantity (gallons)</u>
H&M	HMC	202
H&M	HMD	210
H&M	HME	195
L-42	113	104
Two-Stroke	606-1	100
III G	434	482
III G	435	547
BRT	82	10
D6078, D6079	DFA3*	55
D6078, D6079	DFB3*	55

\*Reference diesel fuel

During this same time period, the TMC made 240 shipments of reference oils containing a total of 1,801 individual oil samples.

**CALIBRATION TEST REPORTING**

During the period from November 1, 2002 to April 30, 2003, 1395 calibration tests were reported to the TMC. Also, during this same period, 95% of all tests reported to the TMC were transmitted electronically.

JLZ/jlz

Attachment

c: [ftp://ftp.astmtmc.cmu.edu/docs/test\\_monitoring\\_board/TMC-6-2003.pdf](ftp://ftp.astmtmc.cmu.edu/docs/test_monitoring_board/TMC-6-2003.pdf)

Distribution: Email

Attachment A

