



# Test Monitoring Center

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

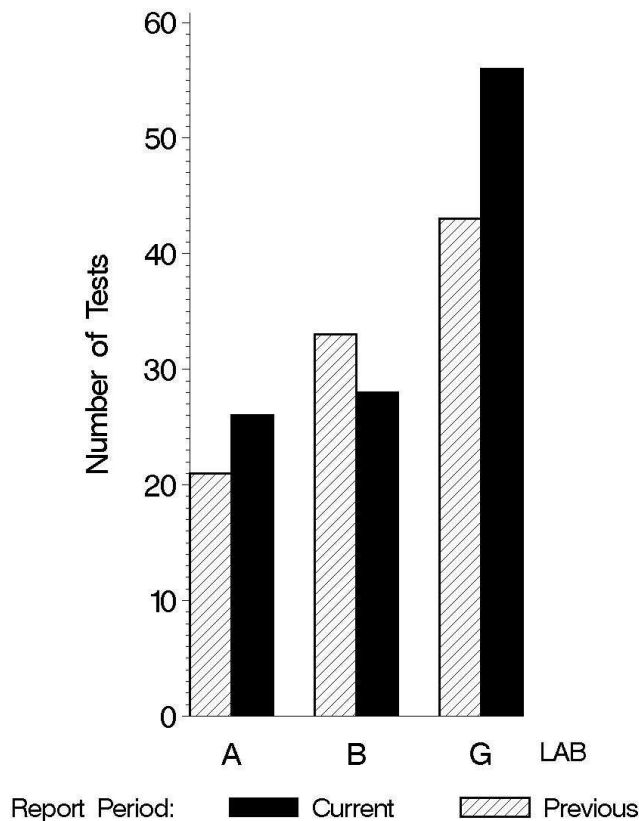
MEMORANDUM: 11-017  
DATE: May 27, 2011  
TO: Becky Grinfield,  
Chairman, Engine Oil Filterability Test Surveillance Panel  
FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*  
SUBJECT: EOFT Testing from October 1, 2010 through March 31, 2011

A total of 110 EOFT tests were reported to the Test Monitoring Center during the period from October 1, 2010 through March 31, 2011. Following is a summary of testing activity this period.

	Reporting Data
Number of Labs	3

Tests reported this period were distributed as shown below:

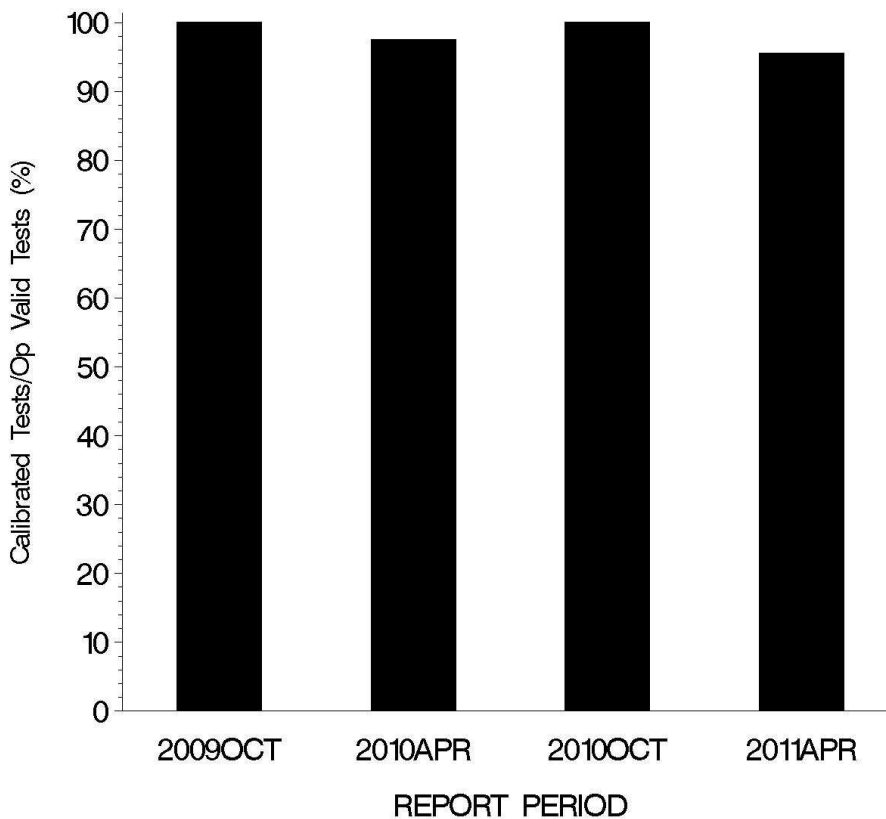
## NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



**Test Distribution by Oil and Validity**

			Totals	
			This Period	Last Period
		78-1		
Accepted for Calibration	AC	104	104	97
Accepted for Target Generation	AG	0	0	0
Rejected Mild	OC	5	5	0
Rejected Severe	OC	0	0	0
Operationally Invalid (lab)	LC	0	0	0
Operationally Invalid (lab/TMC)	RC	0	0	0
Aborted Calibration	XC	1	1	0
<b>Total</b>		<b>110</b>	<b>110</b>	<b>97</b>

**OPERATIONALLY VALID TESTS  
MEETING ACCEPTANCE CRITERIA**



The above chart shows the percentage of accepted operationally valid tests. Five tests failed this period.

CAUSES FOR LOST TESTS

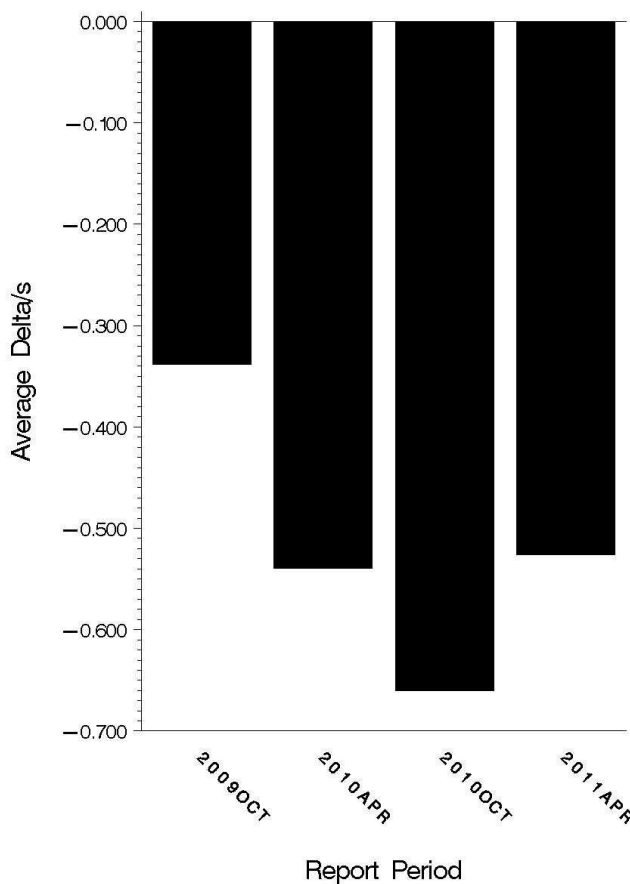
Lab	Cause	Oil	Validity			Loss Rate		
		78-1	LC	RC	XC	Lost	Starts	%
B	Sample Heated Too Long	●			●	1	110	0.9%
	Total Lost	1	0	0	1			
	Starts	110	110	110	110			
	%	0.9%	0%	0%	0.9%			

AVERAGE Δ/s:

Average Δ/s by Lab

Lab	n	CIFAYI
A	26	-0.572
B	27	-1.730
G	56	0.077
Industry	109	-0.525

AVERAGE DELTA/S

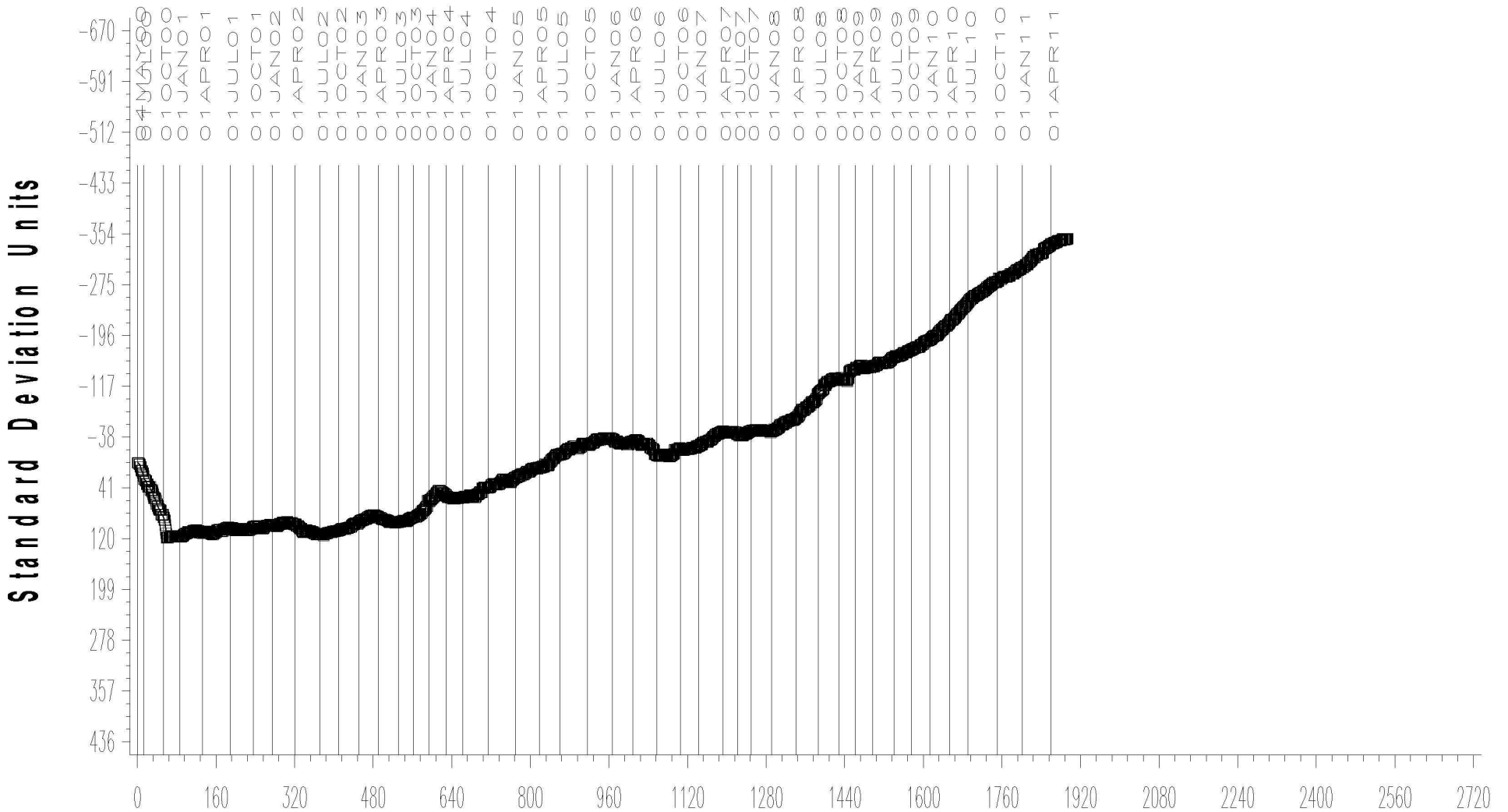


### EOFT INDUSTRY OPERATIONALLY VALID DATA



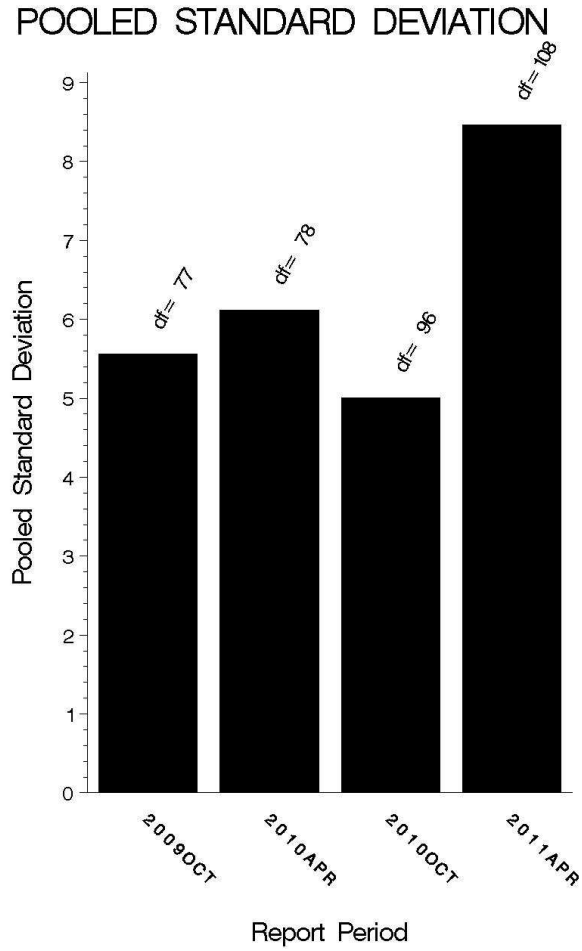
### 20 – 25 ML CHANGE IN FLOWRATE AVERAGE (%)

#### CUSUM Severity Analysis



POOLED S:

Pooled s this period was 8.45. Shown below are bar charts comparing the pooled s values for the EOFT test over the last four report periods.



STATUS OF REFERENCE OIL SUPPLY:

At the end of this report period, the testing oil supply stood as outlined in the following table:

Oil	Cans @ Labs	@ TMC	
		Cans	Gallons
78-1	60	0	0
78-2	21	3487	268.5
<b>Total</b>	<b>81</b>	<b>3487</b>	<b>268.5</b>

Be aware that this table presumes that all of each of these oils is dedicated to the EOFT test area. This is not the case, as oils 78-1 and 78-2 are also used in the EOWT test. Oil 78-2 has also not been formally approved for use in the EOFT at this time, although work to that end is ongoing.

INFORMATION LETTERS:

No information letters were issued during this report period.

SUMMARY

- Over the course of this report period, CIFA severity as measured by cusum plotting was slightly mild overall.
- Precision as measured by pooled standard deviation has degraded significantly compared to previous periods.

MTK/mtk/astm0411.doc/mem11-017.mtk.doc

c: F. M. Farber

J. A. Clark

EOFT Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/bench/eoft/semiannualreports/eoft-04-2011.pdf>

Distribution: email