



Test Monitoring Center

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

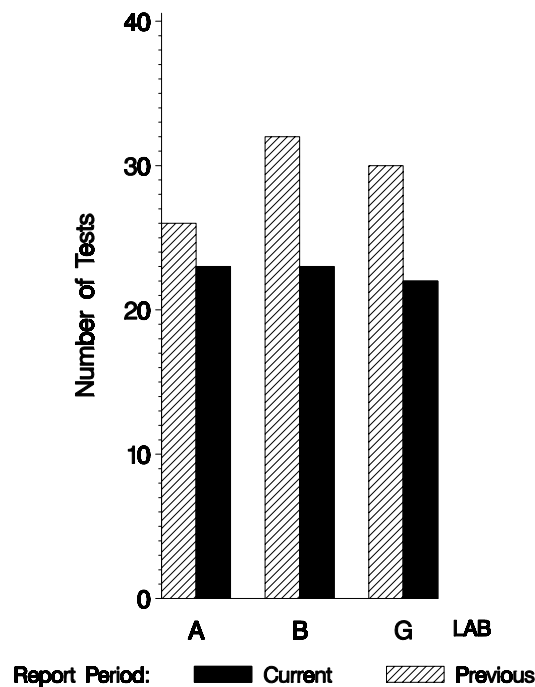
MEMORANDUM: 09-029
DATE: May 21, 2009
TO: Becky Grinfield,
Chairman, Engine Oil Filterability Test Surveillance Panel
FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*
SUBJECT: EOFT Testing from October 1, 2008 through March 31, 2009

A total of 68 EOFT tests were reported to the Test Monitoring Center during the ASTM period from October 1, 2008 through March 31, 2009. Following is a summary of testing activity this period.

	Reporting Data
Number of Labs	3

Tests reported this period were distributed as shown below:

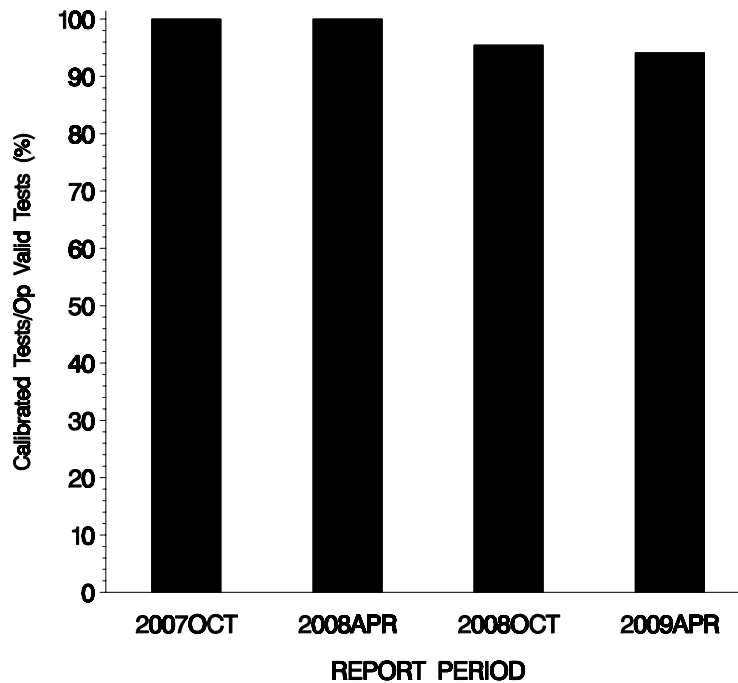
NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



Test Distribution by Oil and Validity

			Totals	
			Last Period	This Period
		78-1		
Accepted for Calibration	AC	64	84	64
Accepted for Target Generation	AG	0	0	0
Rejected Mild	OC	2	0	2
Rejected Severe	OC	2	4	2
Operationally Invalid (lab)	LC	0	0	0
Operationally Invalid (lab/TMC)	RC	0	0	0
Aborted Calibration	XC	0	0	0
Total		68	88	68

**OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA**



The above chart shows the percentage of accepted operationally valid tests. Four tests failed this period; two for severe CIFA results, and two for mild CIFA results.

CAUSES FOR LOST TESTS

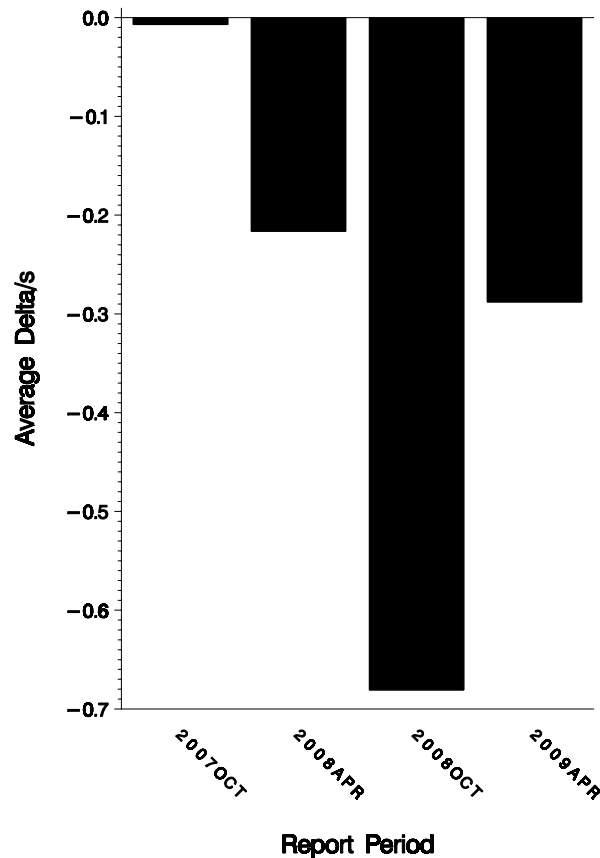
Lab	Cause	Oil	Validity			Loss Rate		
		78-1	LC	RC	XC	Lost	Starts	%
	No tests were lost this period.					0	68	0%
		0	0	0	0			
	Starts	68	68	68	68			
	%	0%	0%	0%	0%			

AVERAGE Δ/s:

Average Δ/s by Lab

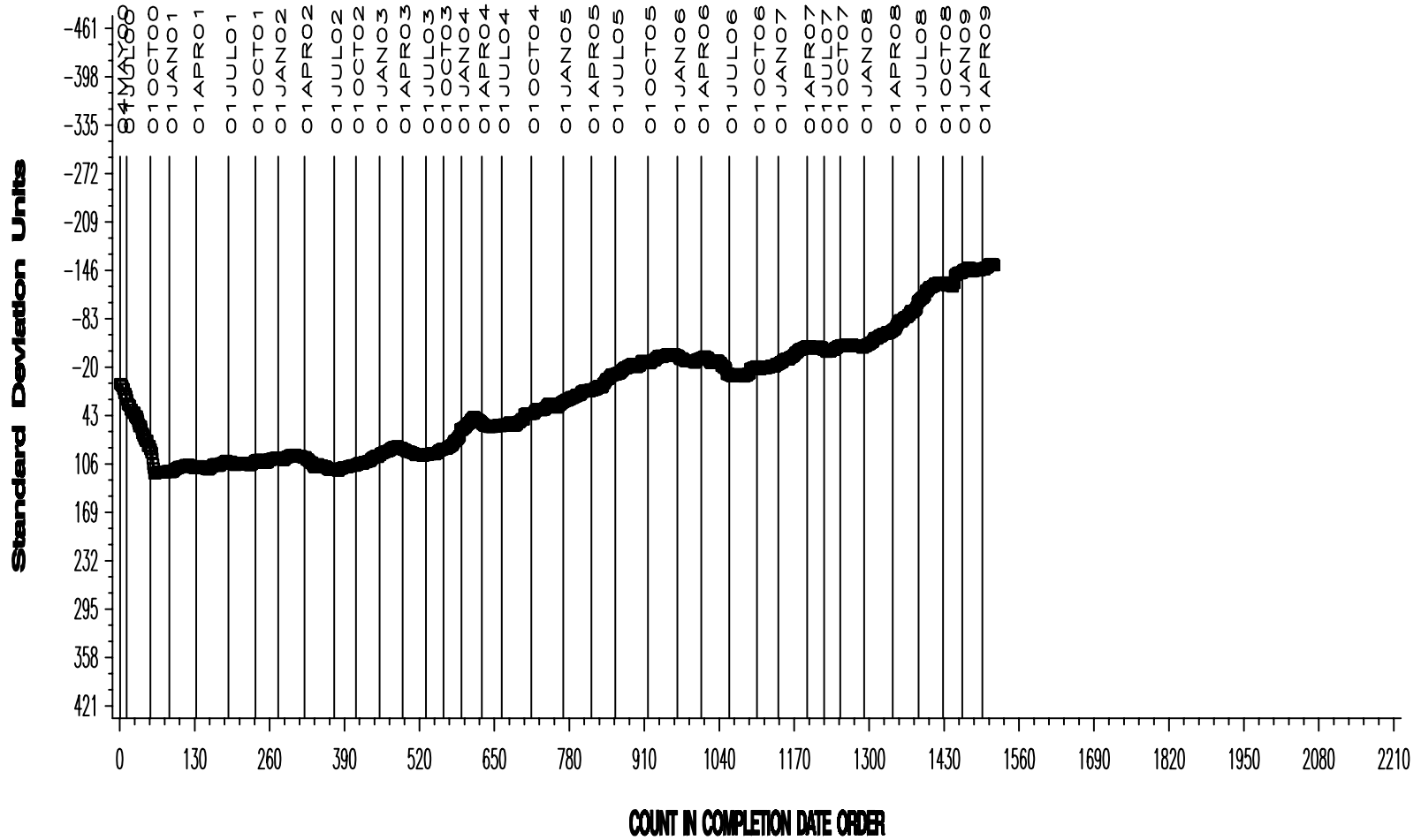
Lab	n	CIFAYI
A	23	0.552
B	23	-1.467
G	22	0.066
Industry	68	-0.288

AVERAGE DELTA/S



EOST INDUSTRY OPERATIONALLY VALID DATA
20 - 25 ML CHANGE IN FLOWRATE AVERAGE (%)

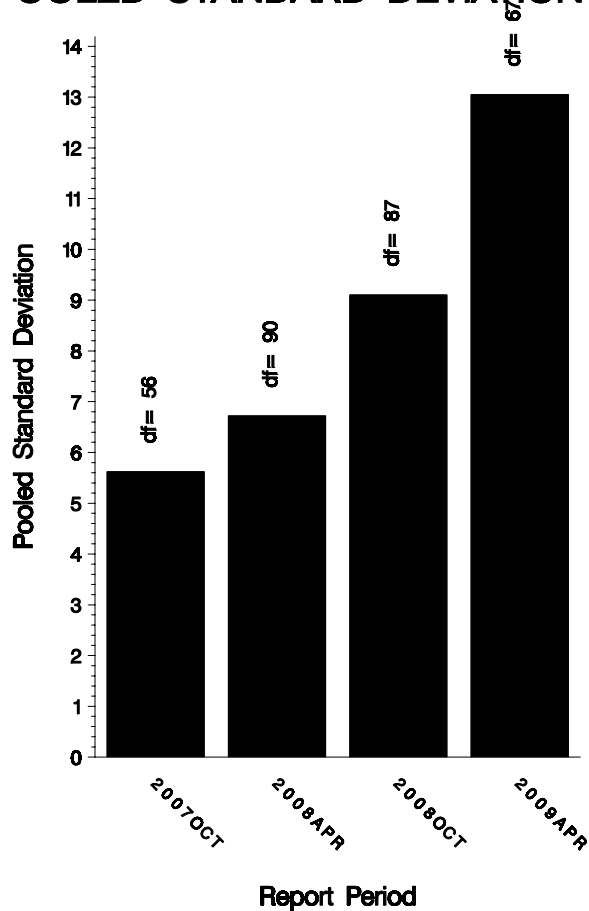
CUSUM Severity Analysis



POOLED S:

Pooled s this period was 13.04. Shown below are bar charts comparing the pooled s values for the EOFT test over the last four report periods. Where degrees of freedom equal zero, no bars are shown. This will occur where only one test was reported or where multiple tests are reported but all are on different oils. Periods showing no information had no tests reported.

POOLED STANDARD DEVIATION



Individual test results can be found on the TMC Web Page at the following link:

<ftp://ftp.astmtmc.cmu.edu/refdata/bench/eoft/data/>

STATUS OF REFERENCE OIL SUPPLY:

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

Oil	Samples @ Labs	@ TMC	
		Samples	Gallons
78-1	62	1635	125.9
Total	62	1635	125.9

* Future reblends of oils marked with an asterisk are not obtainable by TMC.

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 oil 78-1 is also used in the EOWT test.

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, continues to trend mild.
- Precision as measured by pooled standard deviation has degraded, but is still comparable to previous periods.

MTK/mtk/astm0409.doc/mem09-029.mtk.doc

c: J. L. Zalar
 F. M. Farber
 M. T. Kasimirsky
 EOFT Surveillance Panel
<ftp://ftp.astmtmc.cmu.edu/docs/bench/eoft/semiannualreports/eoft-04-2009.pdf>

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