



Test Monitoring Center

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

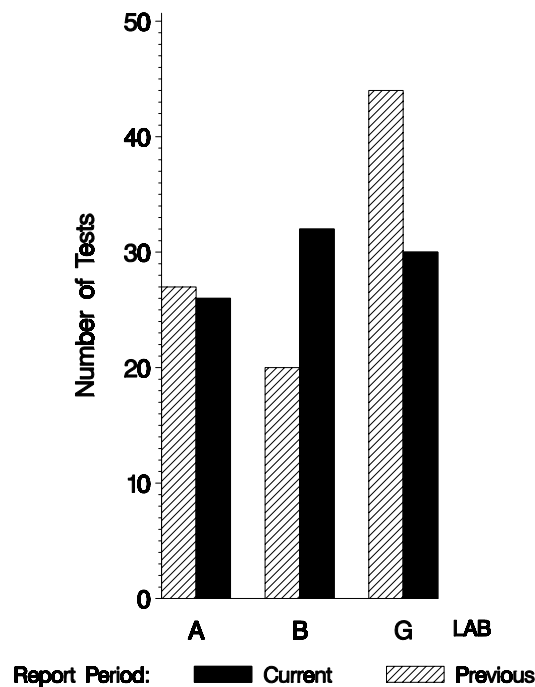
MEMORANDUM: 08-073
DATE: December 3, 2008
TO: Becky Grinfield,
Chairman, Engine Oil Filterability Test Surveillance Panel
FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*
SUBJECT: EOFT Testing from April 1, 2008 through September 30, 2008

A total of 88 EOFT tests were reported to the Test Monitoring Center during the period from April 1, 2008 through September 30, 2008. Following is a summary of testing activity this period.

Reporting Data	
Number of Labs	3

Tests reported this period were distributed as shown below:

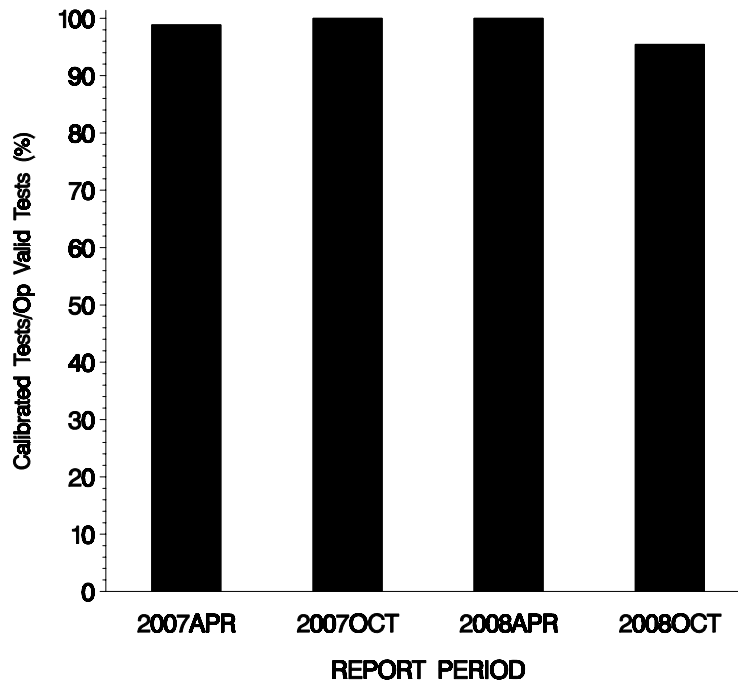
NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



Test Distribution by Oil and Validity

			Totals	
			Last Period	This Period
		78-1		
Accepted for Calibration	AC	84	91	84
Accepted for Target Generation	AG	0	0	0
Rejected Mild	OC	0	0	0
Rejected Severe	OC	4	0	4
Operationally Invalid (lab)	LC	0	0	0
Operationally Invalid (lab/TMC)	RC	0	0	0
Aborted Calibration	XC	0	0	0
Total		88	91	88

**OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA**



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

CAUSES FOR LOST TESTS

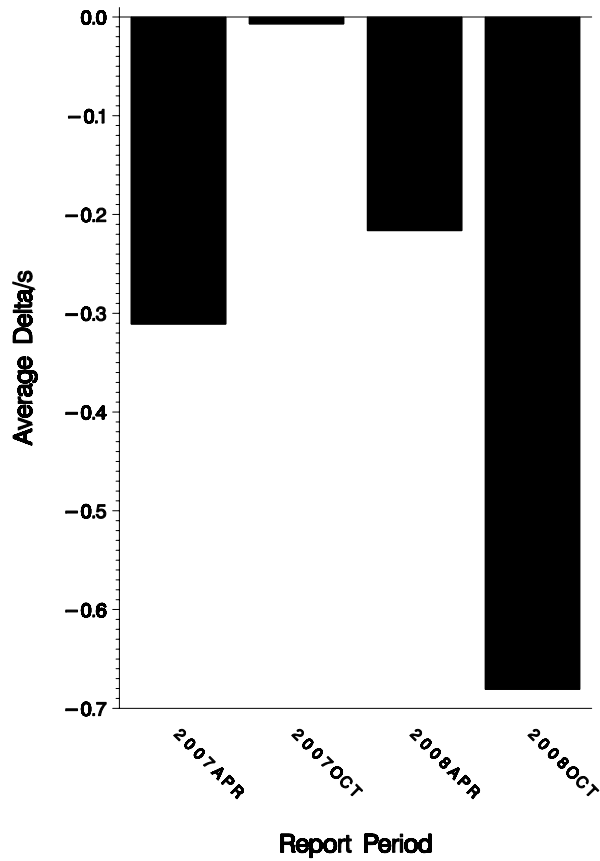
Lab	Cause	Oil	Validity			Loss Rate		
		78-1	LC	RC	XC	Lost	Starts	%
	No tests were lost this period.					0	88	0%
		0	0	0	0			
	Starts	88	88	88	88			
	%	0%	0%	0%	0%			

AVERAGE Δ/s:

Average Δ/s by Lab

Lab	n	CIFAYI
A	26	-0.437
B	32	-1.150
G	30	-0.391
Industry	88	-0.681

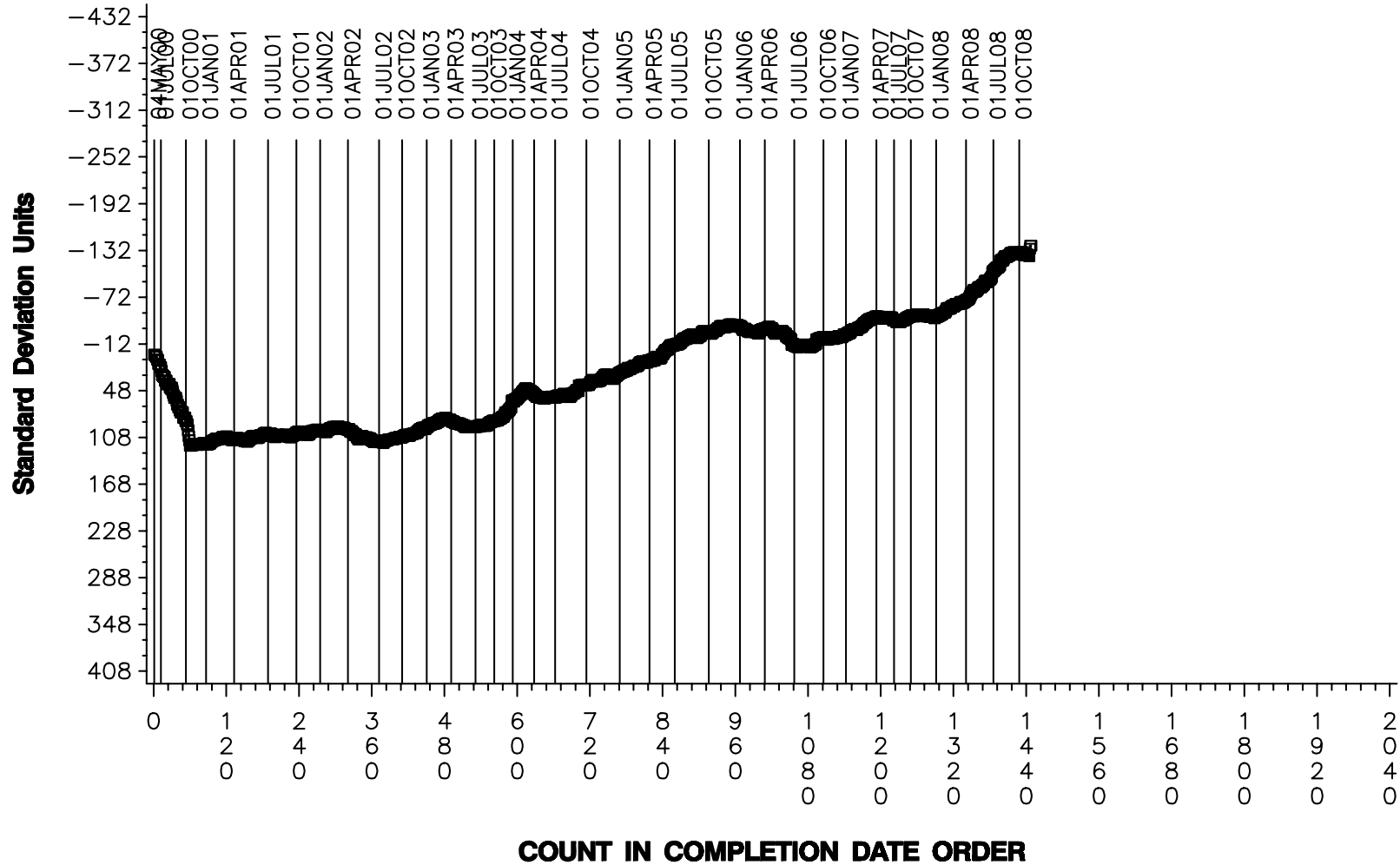
AVERAGE DELTA/S



EOFT INDUSTRY OPERATIONALLY VALID DATA

20 - 25 ML CHANGE IN FLOWRATE AVERAGE (%)

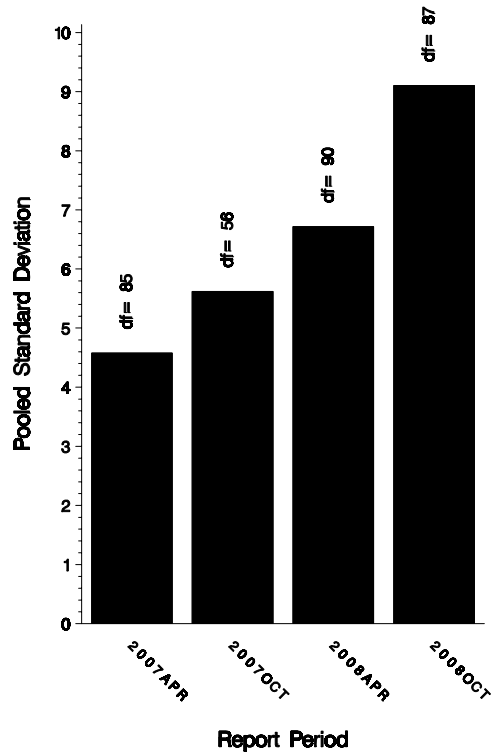
CUSUM Severity Analysis



POOLED S:

Pooled s this period was 9.10. 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



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	39	1836	141.4
Total	39	1836	141.4

* 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 was slightly mild overall.
- Precision as measured by pooled standard deviation has degraded, but is still comparable to previous periods.

MTK/mtk/astm1008.doc/mem08-073.mtk.doc

c: J. L. Zalar
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 M. T. Kasimirsky
 EOFT Surveillance Panel
<ftp://ftp.astmtmc.cmu.edu/docs/bench/eoft/semiannualreports/eoft-10-2008.pdf>

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