



Test Monitoring Center

Carnegie Mellon University
6555 Penn Avenue, Pittsburgh, PA 15206, USA

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

MEMORANDUM: 12-038

DATE: November 20, 2012

TO: Yong-Li McFarland,
Chairman, Engine Oil Filterability Test Surveillance Panel

FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*

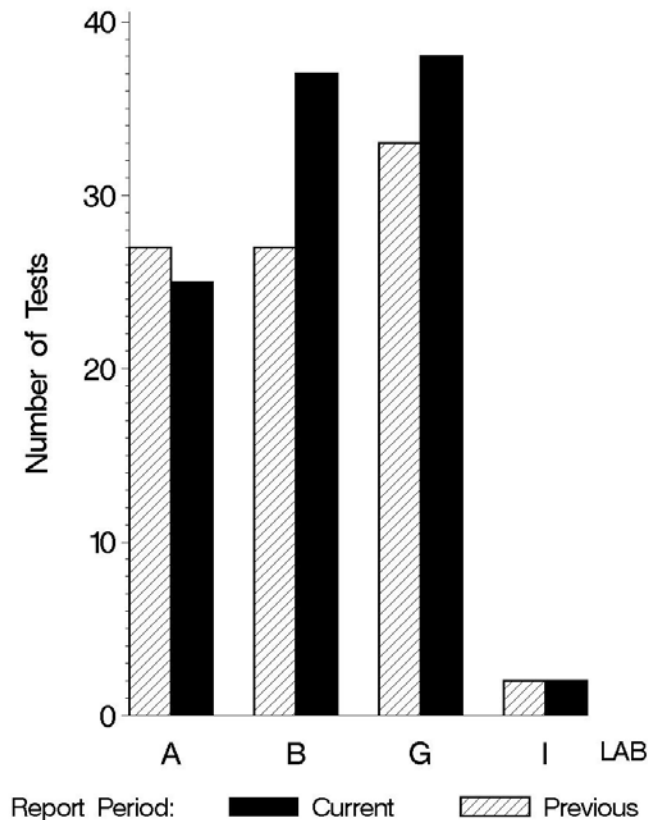
SUBJECT: EOFT Testing from April 1, 2012 through September 30, 2012

A total of 102 EOFT tests were reported to the Test Monitoring Center during the period from April 1, 2012 through September 30, 2012. Following is a summary of testing activity this period.

	Reporting Data
Number of Labs	4

Tests reported this period were distributed as shown below:

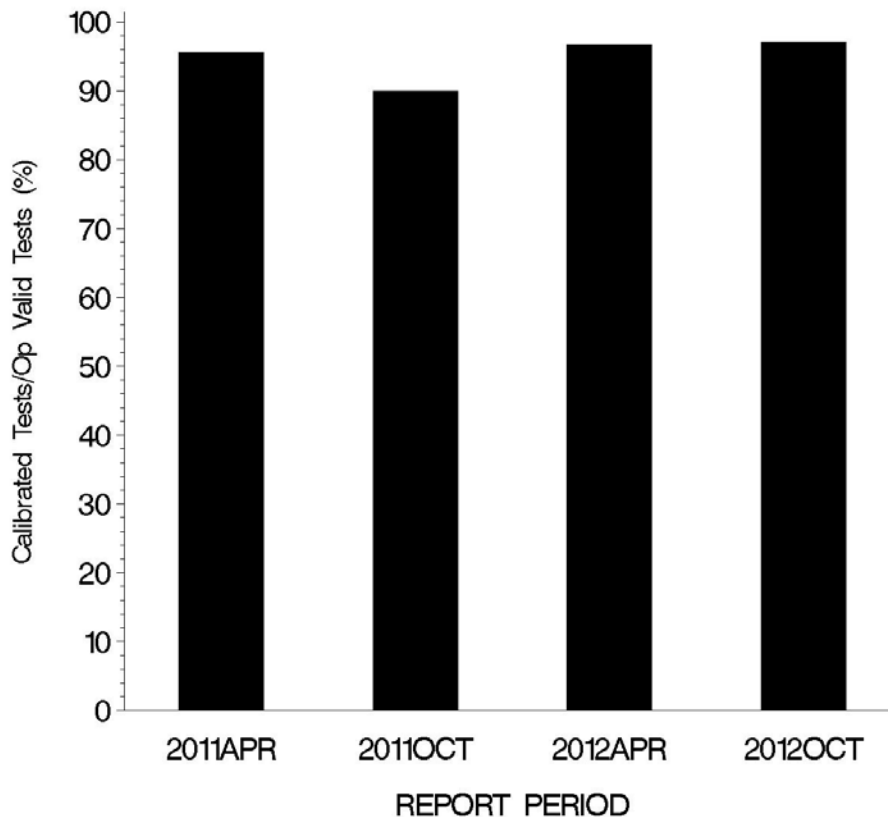
NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



Test Distribution by Oil and Validity

					Totals	
		78	78-1	78-2	This Period	Last Period
Accepted for Calibration	AC	0	1	96	97	85
Accepted for Target Generation	AG	0	0	0	0	0
Failed Acceptance Criteria	OC	0	1	2	3	3
Operationally Invalid (lab)	LC	0	0	0	0	0
Operationally Invalid (lab/TMC)	RC	0	0	0	0	0
Aborted Calibration	XC	0	0	2	2	1
Total		0	2	100	102	89

**OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA**



The above chart shows the percentage of accepted operationally valid tests. Three tests failed this period, all mild.

CAUSES FOR LOST TESTS

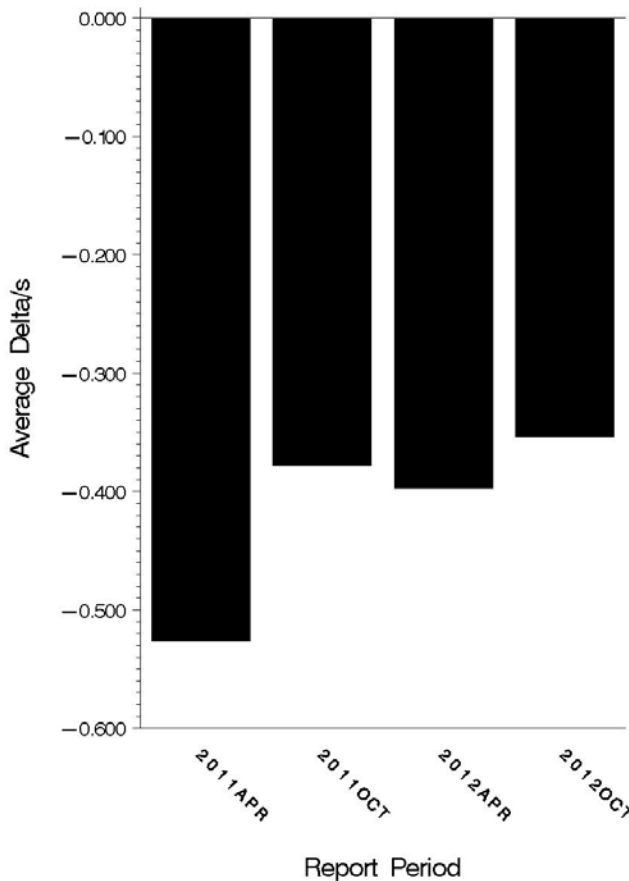
Lab	Cause	Oil			Validity			Loss Rate		
		78	78-1	78-2	LC	RC	XC	Lost	Starts	%
B	Sample Spilled			●			●	1	102	1
	Aborted Run			●			●	1	102	1
	Total Lost	0	0	2	0	0	2			
	Starts	0	2	100	102	102	102			
	%	0	0	2	0	0	2			

AVERAGE Δ/s:

Average Δ/s by Lab

Lab	n	CIFAYI
A	25	-0.194
B	35	-0.683
G	38	-0.046
I	2	-2.398
Industry	100	-0.353

AVERAGE DELTA/S

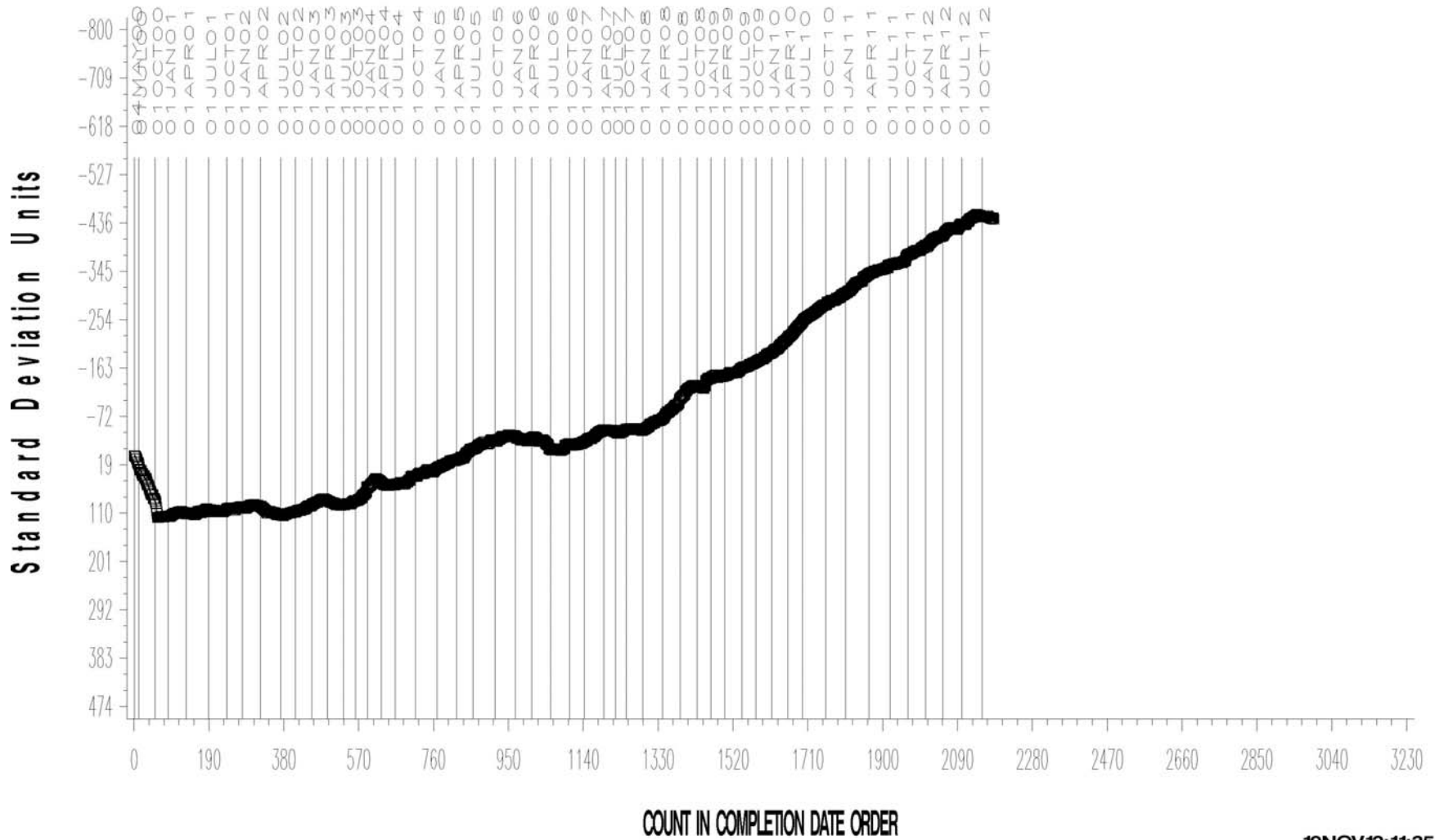


EOLT INDUSTRY OPERATIONALLY VALID DATA



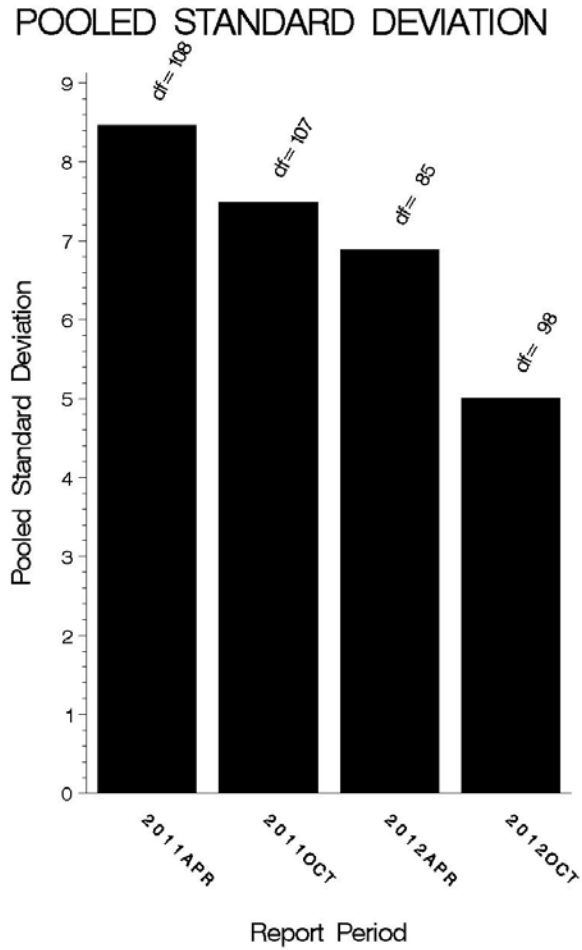
20 – 25 ML CHANGE IN FLOWRATE AVERAGE (%)

CUSUM Severity Analysis



POOLED S:

Pooled s this period was 5.00. 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	0	0	0
78-2	75	2276	175.3
Total	75	2276	175.3

Be aware that this table presumes that all of each of these oils at the TMC is dedicated to EOFT use. This is not the case, as oils 78-1 and 78-2 are 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 improved, compared to last period, and is currently at its lowest level in recent history.

MTK/mtk/astm1012.doc/mem12-038.mtk.doc

c: F. M. Farber

J. A. Clark

EOFT Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/bench/eoft/semiannualreports/eoft-10-2012.pdf>

Distribution: email