



Test Monitoring Center

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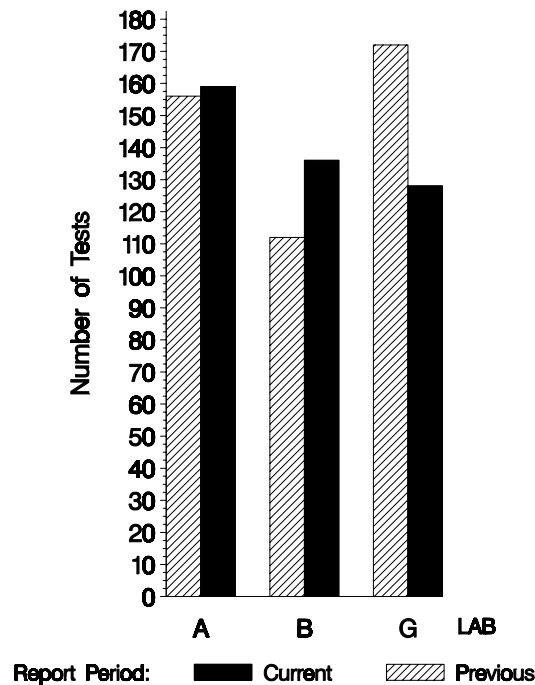
MEMORANDUM: 08-075
DATE: December 4, 2008
TO: Becky Grinfield,
Chairman, Engine Oil Water Tolerance Surveillance Panel
FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*
SUBJECT: EOWT Testing from April 1, 2008 through September 30, 2008

A total of 423 EOWT 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:

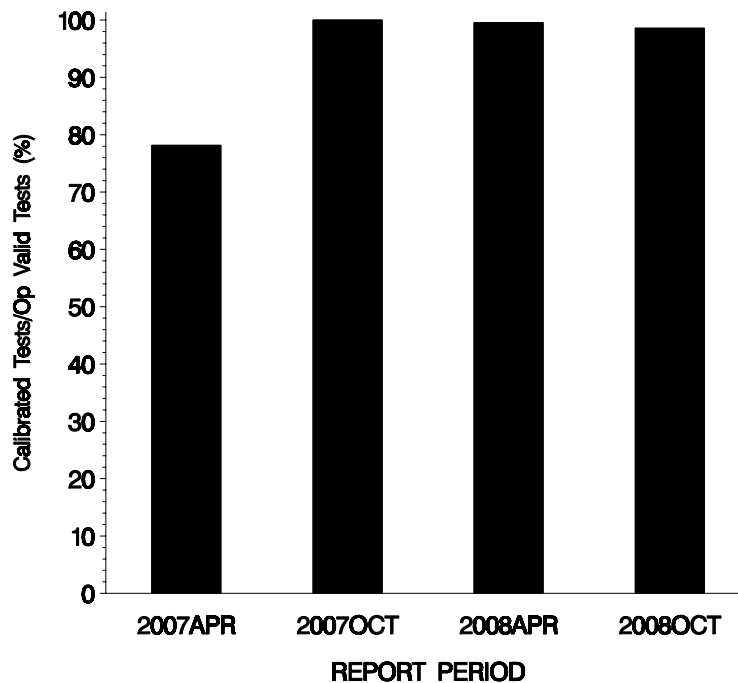
NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



Test Distribution by Oil, Treat Level and Validity

		By Oil				By Treat Level				Totals	
		77	77-1	78	78-1	0.6	1.0	2.0	3.0	Last Period	This Period
Accepted for Calibration	AC	43	158	0	216	105	105	105	102	438	417
Accepted for Target Generation	AG	0	0	0	0	0	0	0	0	0	0
Rejected Mild	OC	0	1	0	3	0	1	0	3	2	4
Rejected Severe	OC	0	2	0	0	0	1	0	1	0	2
Operationally Invalid (lab)	LC	0	0	0	0	0	0	0	0	0	0
Operationally Invalid (lab/TMC)	RC	0	0	0	0	0	0	0	0	0	0
Aborted Calibration	XC	0	0	0	0	0	0	0	0	0	0
Total		43	161	0	219	105	107	105	106	440	423

**OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA**



The above chart shows the percentage of accepted operationally valid tests. The April, 2007 period shows less than 100% because of the 128 operationally valid tests that were used to generate data on a new filter paper batch but were not used for calibration.

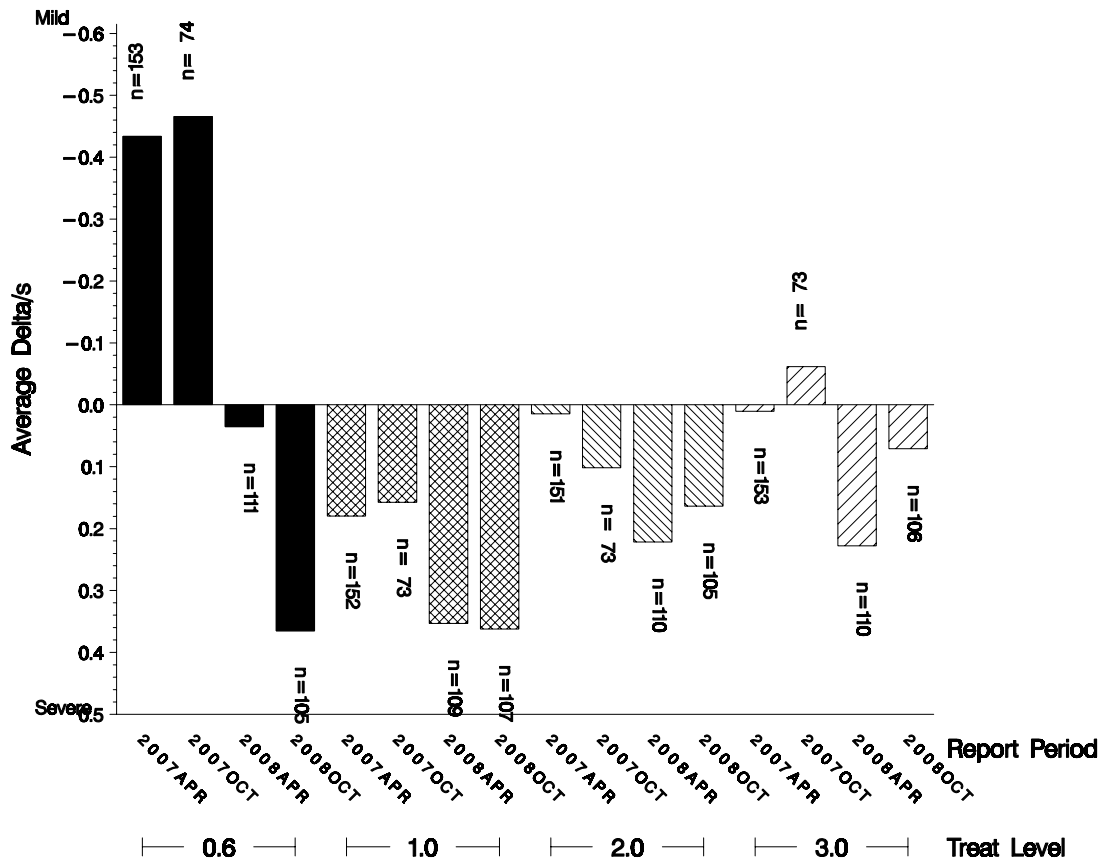
Causes for Lost Tests

Lab	Cause	Oil				Validity			Loss Rate		
		77	77-1	78	78-1	LC	RC	XC	Lost	Starts	%
	No tests were lost this period.								0	423	0%
		0	0	0	0	0	0	0			
	Starts	43	161	0	219	423	423	423			
	%	0%	0%	0%	0%	0%	0%	0%			

Average Δ 's by Lab and Treat Level

Treat Level	Lab	n	CFAYI
0.6			
	A	39	0.303
	B	34	-0.072
	G	32	0.905
	Industry	105	0.365
1.0			
	A	41	0.752
	B	34	-0.273
	G	32	0.537
	Industry	107	0.362
2.0			
	A	39	0.403
	B	34	-0.692
	G	32	0.781
	Industry	105	0.164
3.0			
	A	40	0.466
	B	34	-0.898
	G	32	0.607
	Industry	106	0.071

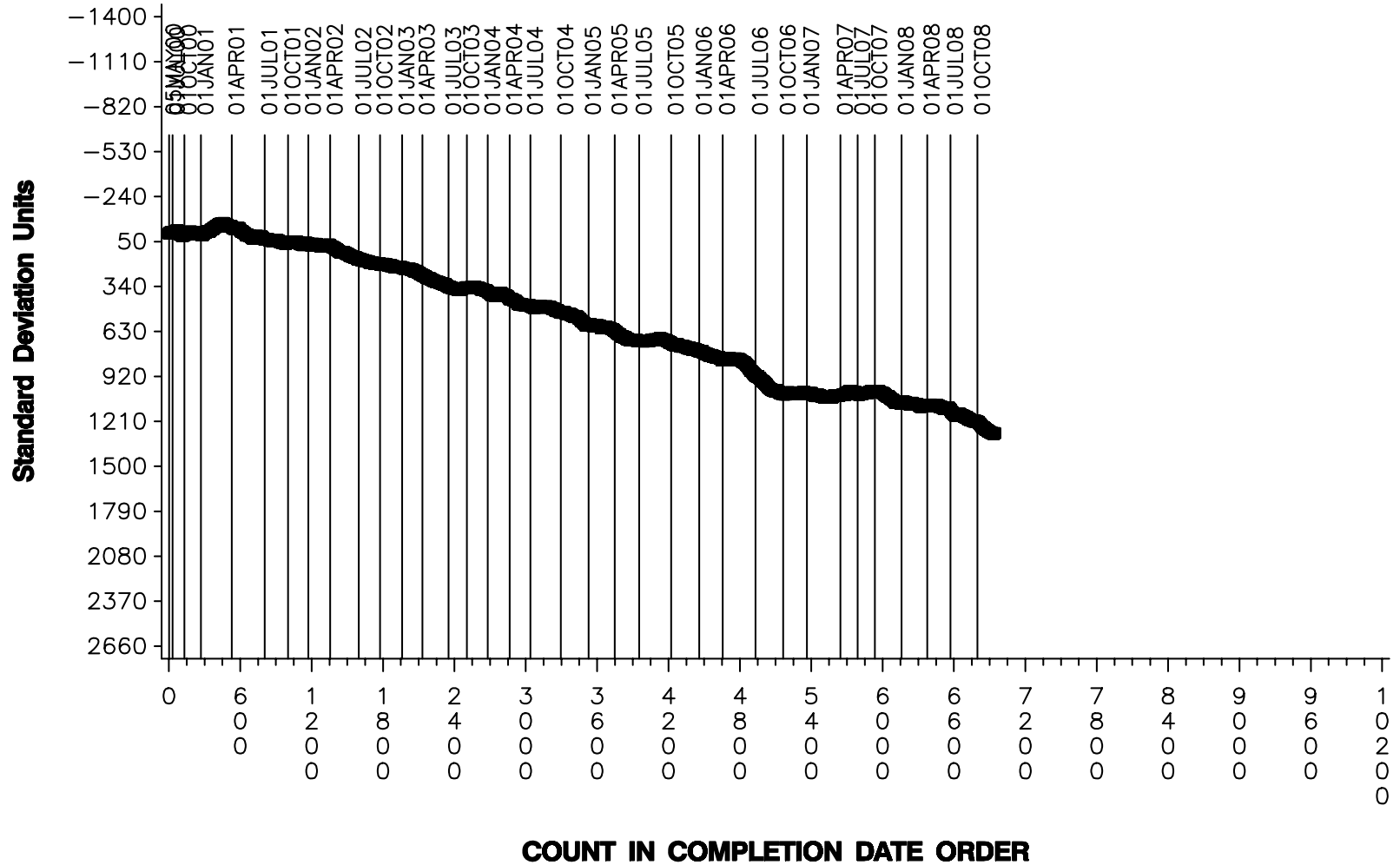
AVERAGE DELTA/S



EOWT INDUSTRY OPERATIONALLY VALID DATA

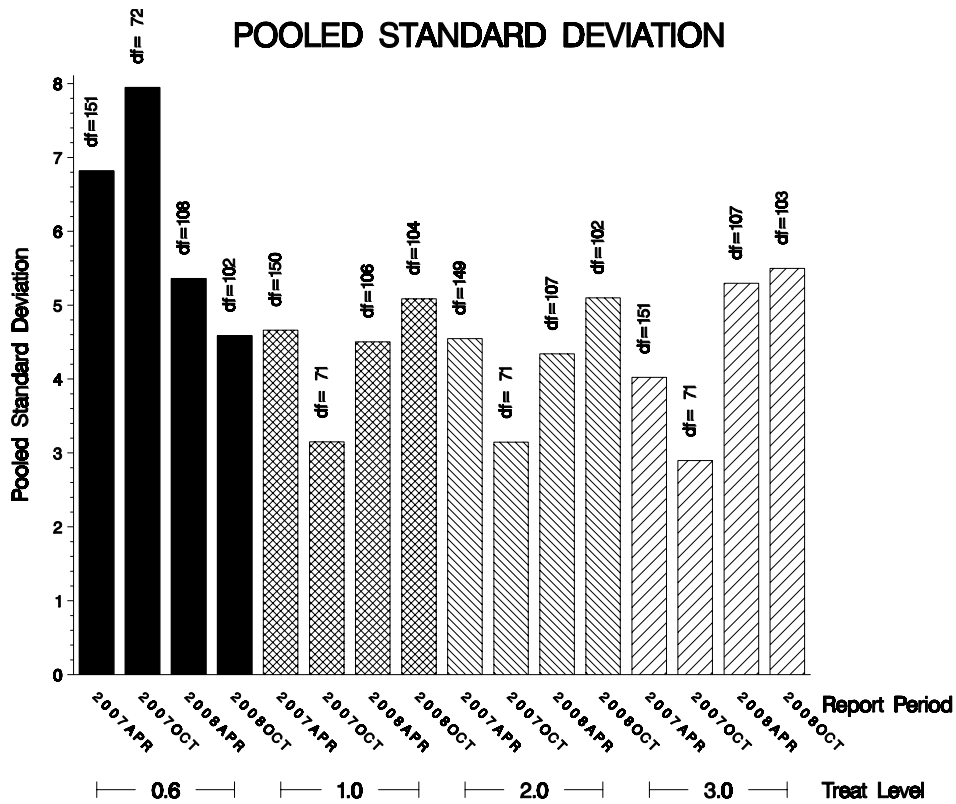
TEST RUN 20 - 25 ML CHANGE IN FLOWRATE AVERAGE

CUSUM Severity Analysis



POOLED S:

Shown below are bar charts comparing the pooled s values for the EOWT test parameters 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.



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
77	0	38	3.0
77-1	59	3245	249.9
78-1	81	1836	141.4
Total	140	5119	394.3

* 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 EOWT test area. This is not the case, as oil 78-1 is also used in the EOFT test.

INFORMATION LETTERS:

No information letters were issued during this report period.

SUMMARY

- Over the course of this report period, CFA severity as measured by cusum plotting remained slightly severe of target.
- Precision as measured by pooled standard deviation is comparable to previous periods.

MTK/mtk/astm1008.doc/mem08-075.doc.doc

c: J. L. Zalar
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 EOWT Surveillance Panel
<ftp://ftp.astmtmc.cmu.edu/docs/bench/eowt/semiannualreports/eowt-10-2008.pdf>

Distribution: email