



Test Monitoring Center

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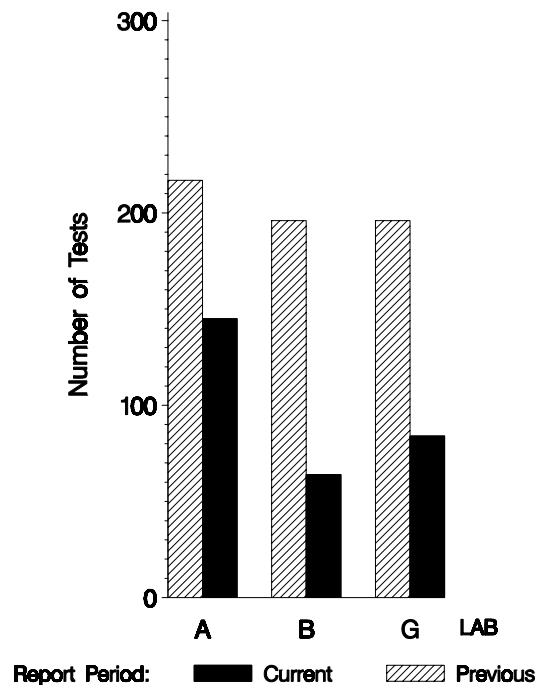
MEMORANDUM: 07-086
DATE: November 28, 2007
TO: Becky Grinfield,
Chairman, Engine Oil Water Tolerance Surveillance Panel
FROM: Scott Parke
SUBJECT: EOWT Testing from April 1, 2007 through September 30, 2007

A total of 293 EOWT tests were reported to the Test Monitoring Center during the period from April 1, 2007 through September 30, 2007. Following is a summary of testing activity this period.

	Reporting Data
Number of Labs	3

Tests reported this period were distributed as shown below:

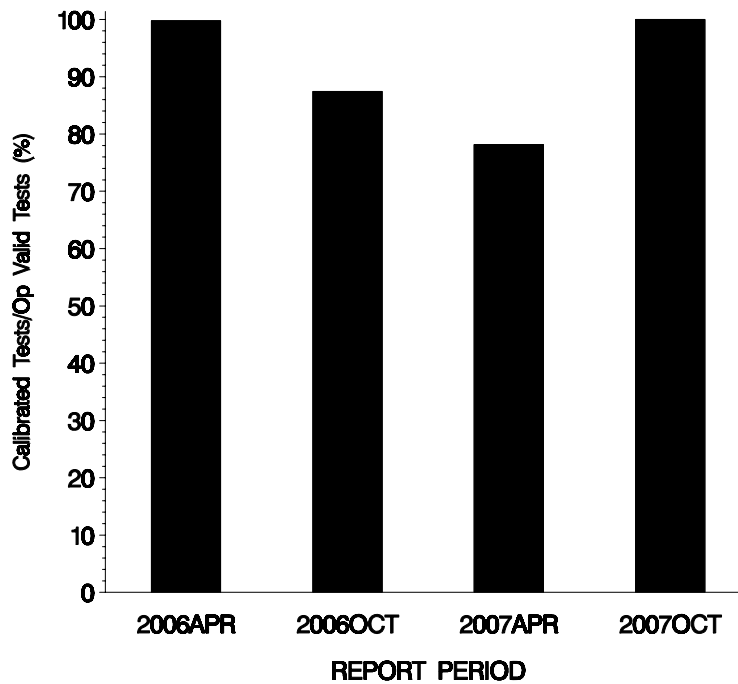
NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



Test Distribution by Oil, Treat Level and Validity

		By Oil			By Treat Level				Totals	
		77	78	78-1	0.6	1.0	2.0	3.0	Last Period	This Period
Accepted for Calibration	AC	147	0	146	74	73	73	73	476	293
Accepted for Target Generation	AG	0	0	0	0	0	0	0	128	0
Rejected Mild	OC	0	0	0	0	0	0	0	5	0
Rejected Severe	OC	0	0	0	0	0	0	0	0	0
Operationally Invalid (lab)	LC	0	0	0	0	0	0	0	0	0
Operationally Invalid (lab/TMC)	RC	0	0	0	0	0	0	0	0	0
Aborted Calibration	XC	0	0	0	0	0	0	0	0	0
Total		147	0	146	153	152	151	153	609	293

**OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA**



The above chart shows the percentage of accepted operationally valid tests. Last 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 did not count towards calibration.

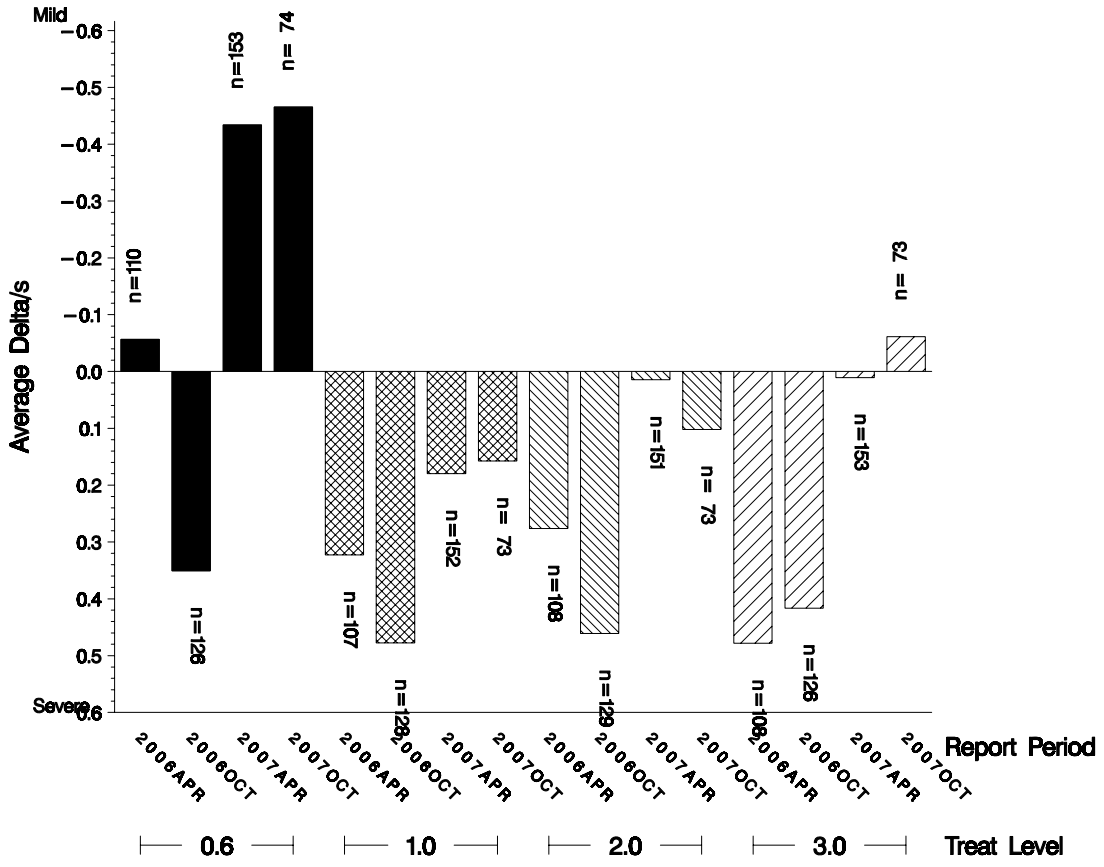
Causes for Lost Tests

Lab	Cause	Oil			Validity			Loss Rate		
		77	78	78-1	LC	RC	XC	Lost	Starts	%
	No tests were lost this period.							0	293	0%
		0	0	0	0	0	0			
	Starts	147	0	146	293	293	293			
	%	0%	0%	0%	0%	0%	0%			

Average Δ /s by Lab and Treat Level

Treat Level	Lab	n	CFAYI
0.6			
	A	37	-0.965
	B	16	-0.077
	G	21	0.118
	Industry	74	-0.466
1.0			
	A	36	-0.070
	B	16	0.330
	G	21	0.417
	Industry	73	0.158
2.0			
	A	36	-0.012
	B	16	-0.071
	G	21	0.428
	Industry	73	0.102
3.0			
	A	36	-0.185
	B	16	-0.161
	G	21	0.226
	Industry	73	-0.062

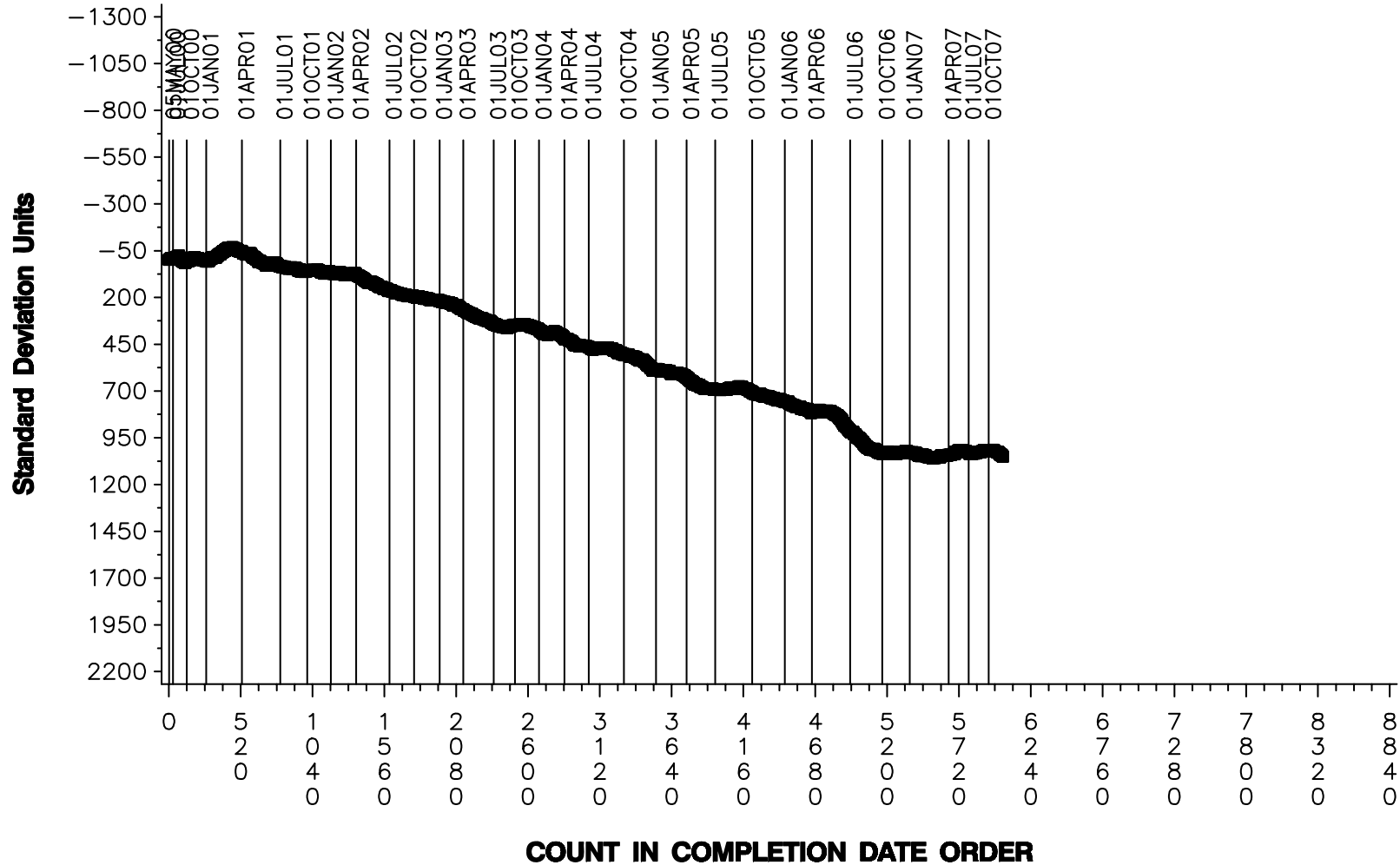
AVERAGE DELTA/S



EOWT INDUSTRY OPERATIONALLY VALID DATA

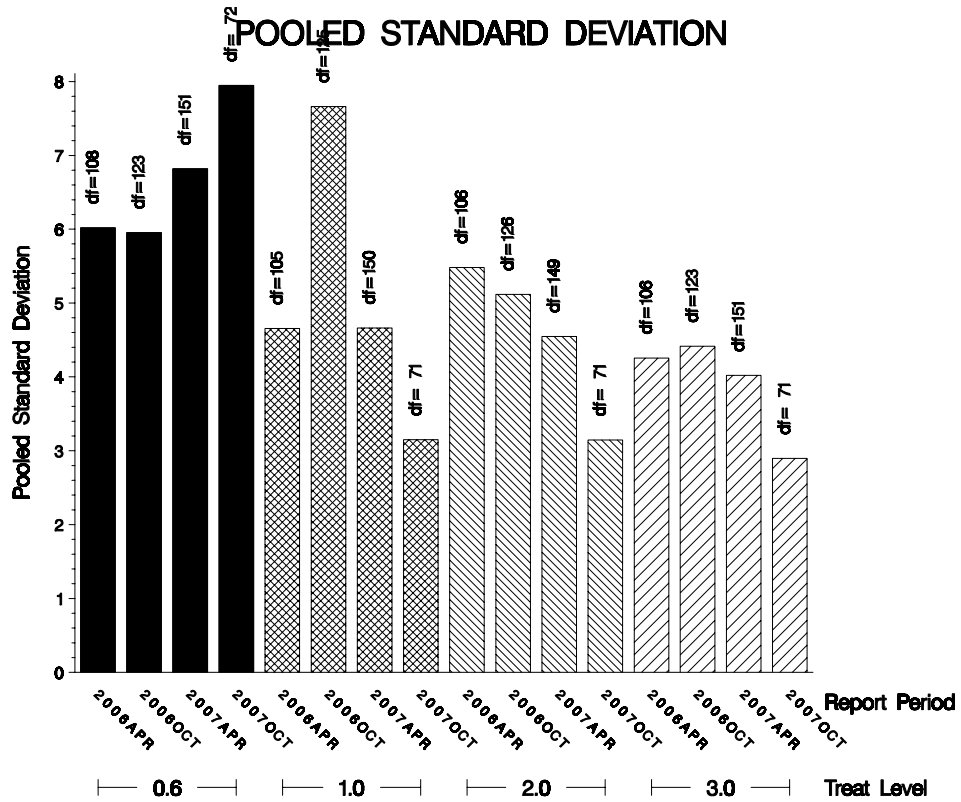
TEST RUN 20 – 25 ML CHANGE IN FLOWRATE AVERAGE

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	145	75	5.8
77-1	50	3521	271.2
78-1	191	2270	174.8
Total	386	5866	451.8

* 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; oil 78-1 is also used in the EOFT test. TMC has procured a reblend of oil 77 and it likely will be introduced sometime during the next period.

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 on target.
- Precision as measured by pooled standard deviation is comparable to previous periods.

SDP/sdp/astm1007.doc/mem07-086.sdp.doc

c: J. L. Zalar

F. M. Farber

EOWT Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/bench/eowt/semiannualreports/eowt-10-2007.pdf>

Distribution: email