



Test Monitoring Center

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

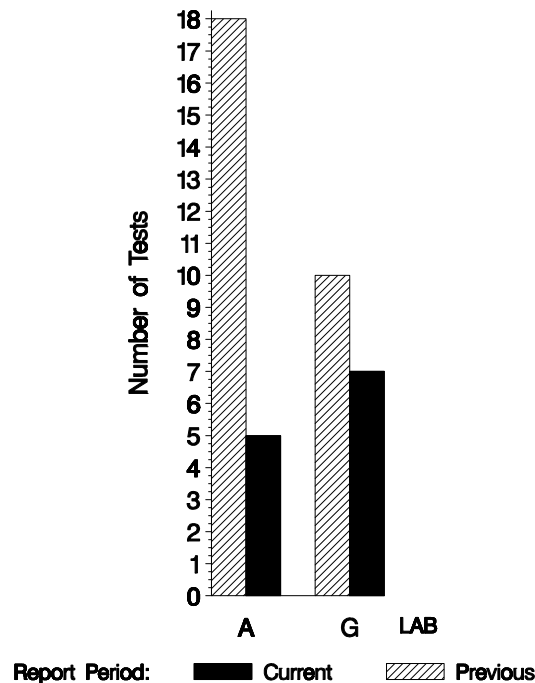
MEMORANDUM: 10-020
DATE: May 19, 2010
TO: Gil Reinhard, Chairman, CBT Surveillance Panel
FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*
SUBJECT: CBT Testing from October 1, 2009 through March 31, 2010

A total of 12 CBT tests were reported to the Test Monitoring Center during the period from October 1, 2009 through March 31, 2010. Following is a summary of testing activity this period.

	Reporting Data
Number of Labs	2

Tests reported this period were distributed as shown below:

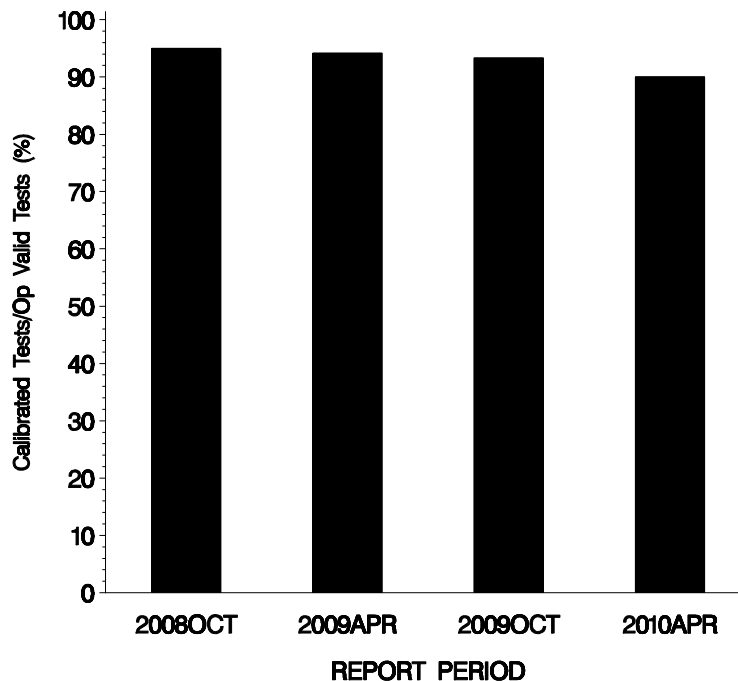
NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



Test Distribution by Validity

	TMC Validity Codes	No. of Tests
Operationally and Statistically Acceptable	AC	9
Failed Acceptance Criteria	OC	1
Operationally Invalid	LC, RC	0
Aborted	XC	2
Acceptable Donated Tests	NI	0
Unacceptable Donated Tests	MI	0
Total		12

**OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA**



The above chart shows the percentage of accepted operationally valid tests. One test failed to meet the acceptance criteria this period and was mild on lead concentration.

The reasons for failed, invalid, or aborted tests are shown in the following tables:

Summary of Reasons for Failed Tests

	No. of Tests
Lead, mild	1

Summary of Reasons for Invalid Tests

	No. of Tests
No invalid tests	0

Summary of Reasons for Aborted Tests

	No. of Tests
Power Failure	2

Industry Severity Summary

The following table shows the average Δ/s , by laboratory and for the industry overall, for both copper and lead concentration for this ASTM report period.

Average Δ/s by Lab

Lab	n	CUC	PBC
A	5	-1.101	0.139
G	5	-0.788	-0.496
Industry	10	-0.944	-0.178

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

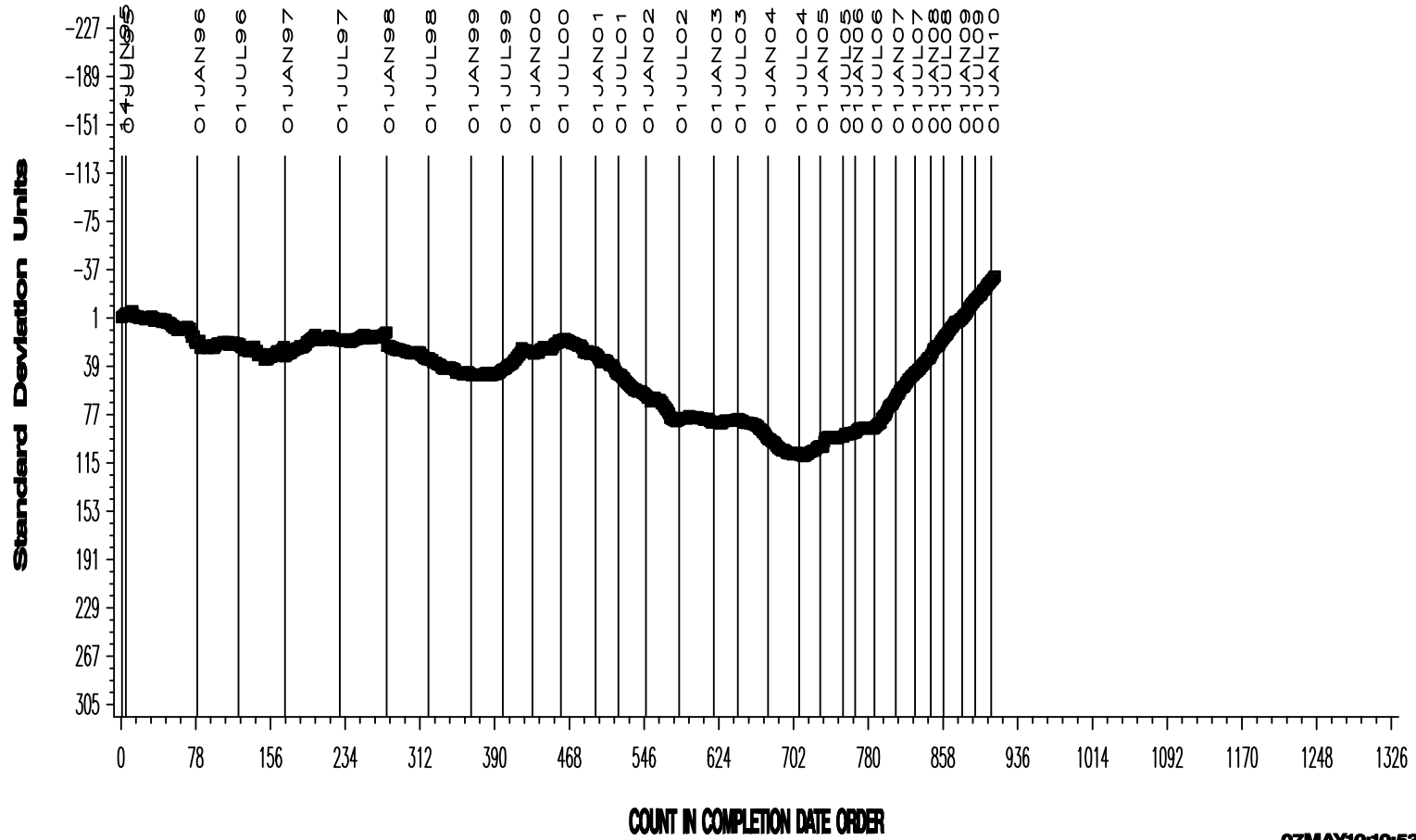
<ftp://ftp.astmtmc.cmu.edu/refdata/bench/cbt/data/>

The plots of summation delta/s from target for change in copper and change in lead, respectively, are shown on the following pages. Both copper and lead concentration results are continuing to trend mild.

CBT INDUSTRY OPERATIONALLY VALID DATA

COPPER CHANGE (ppm)

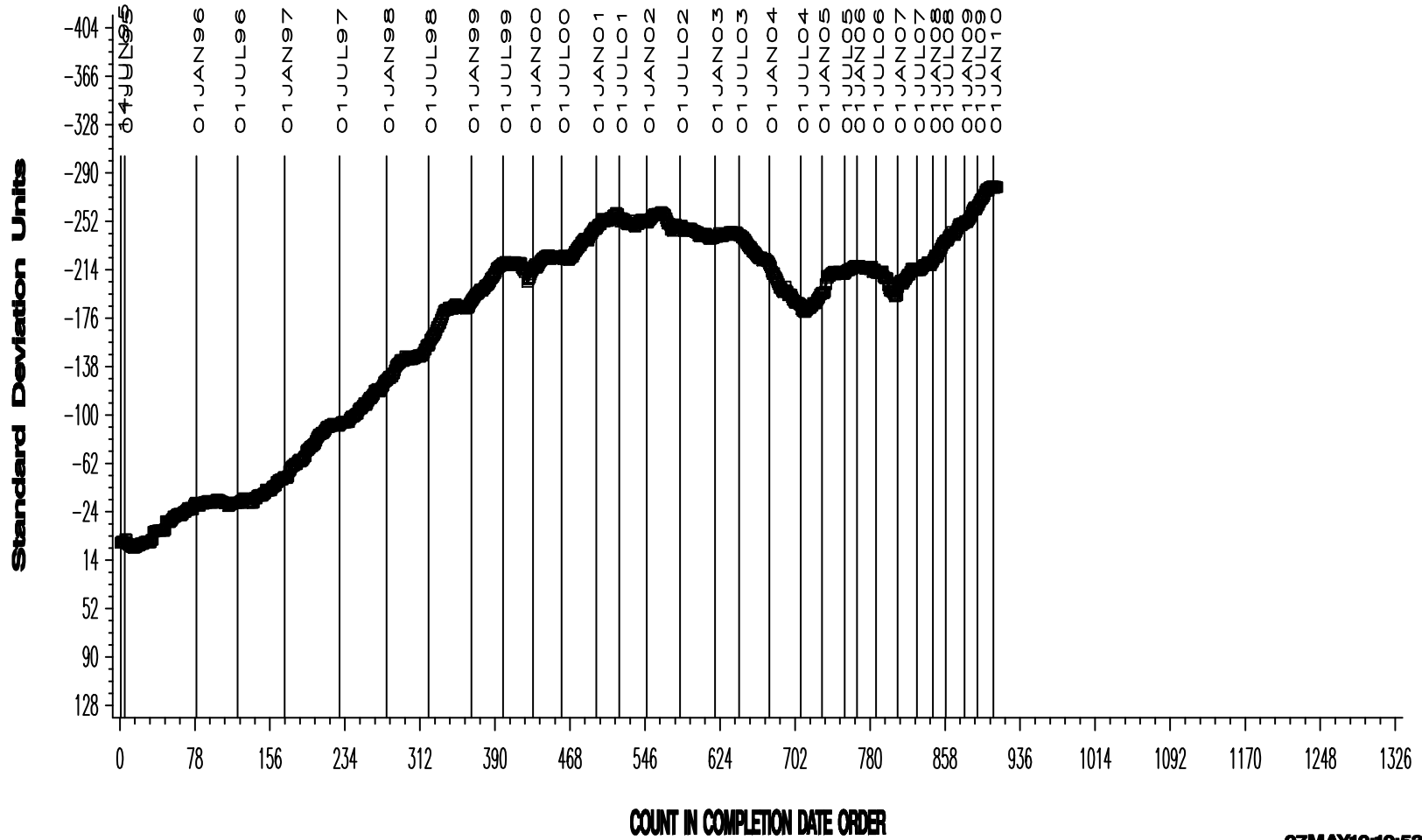
CUSUM Severity Analysis



CBT INDUSTRY OPERATIONALLY VALID DATA

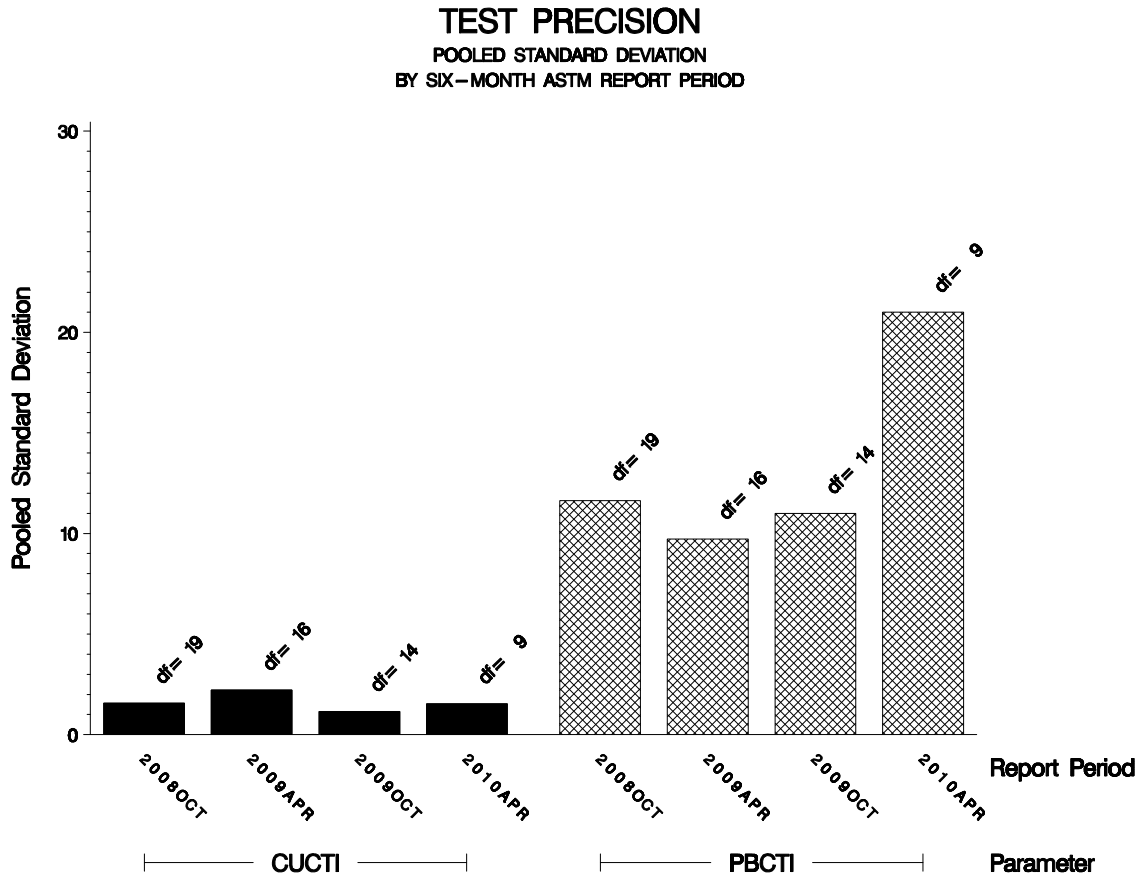
LEAD CHANGE (ppm)

CUSUM Severity Analysis



POOLED S:

Precision estimates, by report period are depicted below. Precision estimates for both copper and lead are within historical levels, though in comparison to recent periods, copper shows some improvement while lead has degraded.



STATUS OF REFERENCE OIL SUPPLY:

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

		@ TMC	
Oil	Samples @ Labs	Samples	Gallons
43	22	1574	49.2

INFORMATION LETTERS:

No information letters were issued this period.

SUMMARY

- Over the course of this report period, both copper and lead severity as measured by cusum plotting continued the mild trend the existing mild trend.
- Precision as measured by pooled standard deviation is worse than previous periods for lead concentration, while copper concentration is comparable to previous levels.

MTK/mtk/astm0410.doc/mem10-020.mtk.doc

c: F. M. Farber

J. A. Clark

CBT Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/bench/cbt/semiannualreports/cbt-04-2010.pdf>

Distribution: email