

Test Monitoring Center

@ Carnegie Mellon University 6555 Penn Avenue, Pittsburgh, PA 15206, USA http://astmtmc.cmu.edu 412-365-1000

MEMORANDUM: 13-063

DATE: November 22, 2013

TO: Gil Reinhard, Chairman, CBT Surveillance Panel

FROM: Michael T. Kasimirsky Michael T. Rasimirsky

SUBJECT: CBT Testing from April 1, 2013 through September 30, 2013

A total of 29 CBT tests were reported to the Test Monitoring Center during the report period from April 1, 2013 through September 30, 2013.

Please find attached a summary of testing activity this period.

MTK/mtk/astm1013.doc/mem13-063.mtk.doc

cc: F. M. Farber J. A. Clark

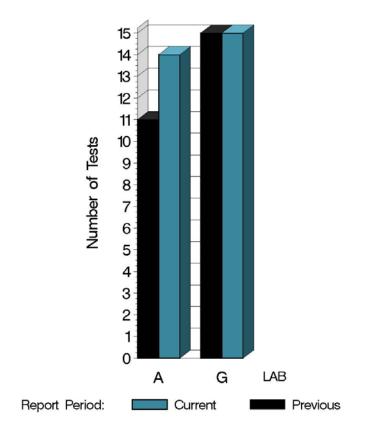
CBT Surveillance Panel

ftp://ftp.astmtmc.cmu.edu/docs/bench/cbt/semiannualreports/cbt-10-2013.pdf

Distribution: email

	Reporting Data
Number of Labs	2

NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



×tamp:



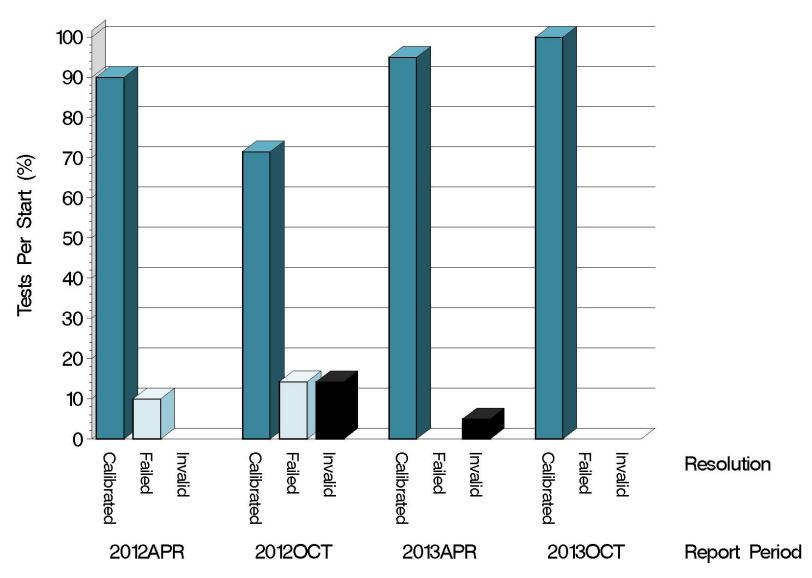


Test Distribution by Validity

		Number of Tests
Accepted for calibration	AC	15
Rejected	OC	0
Invalidated	LC	0
Aborted	XC	0
Hardware Approval run	NI	9
New Solvent run	NI	5
Unacceptable Approval run	MI	0
Total		29



CALIBRATION ATTEMPT SUMMARY

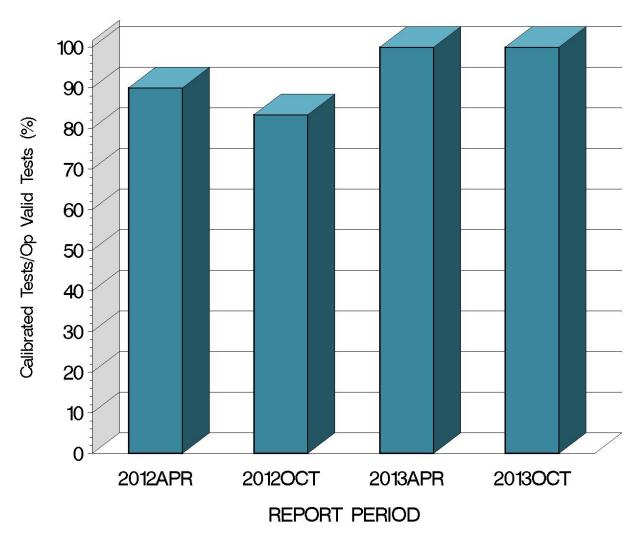


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OPERATIONALLY VALID TESTS MEETING ACCEPTANCE CRITERIA



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CAUSES FOR LOST TESTS

Summary of Reasons for Failed Tests	No. of Tests
No failed tests this period	0

Summary of Reasons for Invalid Tests	No. of Tests
No tests were invalid this period	0

Summary of Reasons for Aborted Tests	No. of Tests
No tests were aborted this period	0



Average Δ/s By Laboratory			
Lab	n	CUC	PBC
Α	8	-1.424	-1.84333
G	7	-1.187	-0.79333
Industry	15	-1.313	-1.35333

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

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



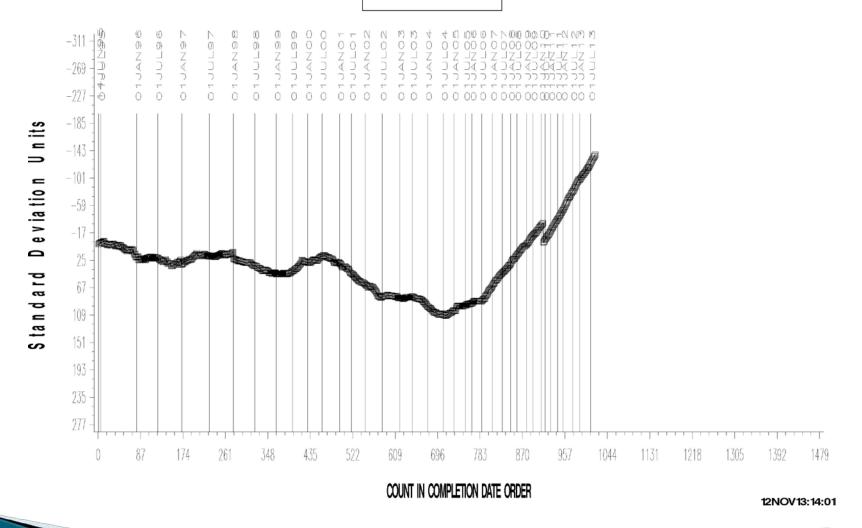


CBT INDUSTRY OPERATIONALLY VALID DATA



COPPER CHANGE (ppm)

CUSUM Severity Analysis





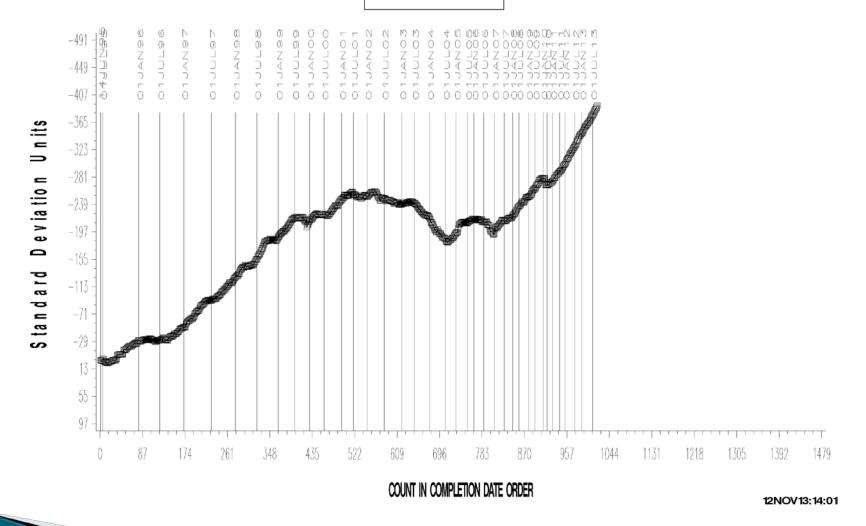


CBT INDUSTRY OPERATIONALLY VALID DATA



LEAD CHANGE (ppm)

CUSUM Severity Analysis

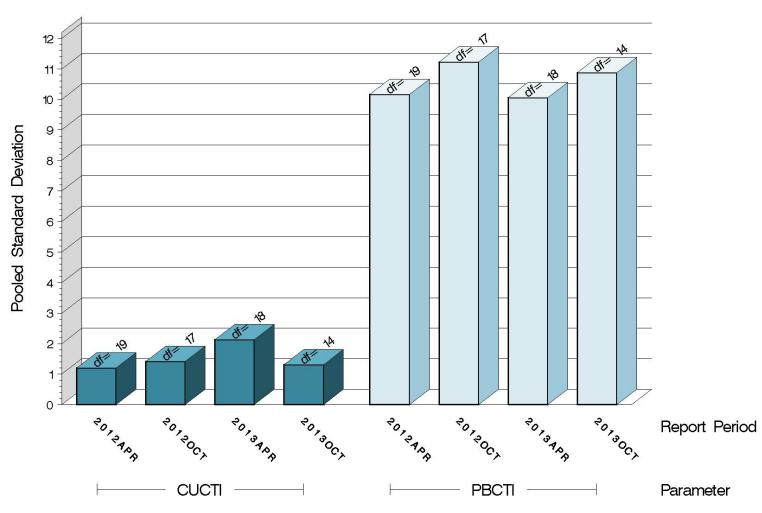






TEST PRECISION

POOLED STANDARD DEVIATION
BY SIX-MONTH ASTM REPORT PERIOD



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CBT (D 5968) SUMMARY OF SEVERITY & PRECISION

Severity

Over the course of this report period, both copper and lead severity, as measured by cusum plotting, continued the existing mild trend.

Precision

Pooled s for this period is 1.30 for copper and 10.87 for lead.

Precision, as measured by pooled standard deviation, is slightly better than previous periods for copper and is slightly worse than the previous period for lead, but is still within historical levels.





INFORMATION LETTERS

CBT Information Letter 13-1, Sequence No. 10, dated August 9, 2013.

- Removal of Microscope Reference
- New Degreasing Solvent
- New Glassware Cleaning Solution
- Tetrahydrofuran Replacement
- Editorial Revisions





STATUS OF REFERENCE OIL SUPPLY

		@ TMC	
Oil	Samples @ Labs	Samples (4 oz)	Gallons
43	39	1382	43.2

