

Test Monitoring Center

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

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

MEMORANDUM:	16-008
DATE:	April 27, 2016
TO:	Gil Reinhard, Chairman, CBT Surveillance Panel
FROM:	Michael T. Kasimirsky Michael J. Resimisky
SUBJECT:	CBT Testing from October 1, 2015 through March 31, 2016

A total of 19 CBT tests were reported to the Test Monitoring Center during the report period from October 1, 2015 through March 31, 2016.

Please find attached a summary of testing activity this period.

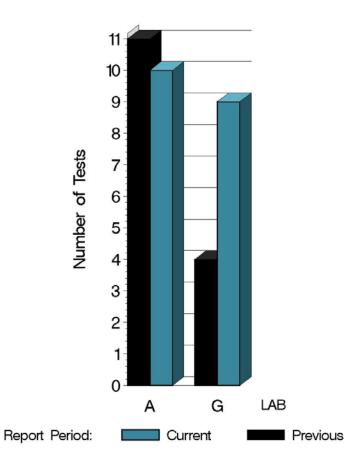
MTK/mtk/astm0416.doc/mem16-008.mtk.doc

cc: F. M. Farber J. A. Clark CBT Surveillance Panel <u>ftp://ftp.astmtmc.cmu.edu/docs/bench/cbt/semiannualreports/cbt-04-2016.pdf</u>

Distribution: email

	Reporting Data
Number of Labs	2

NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



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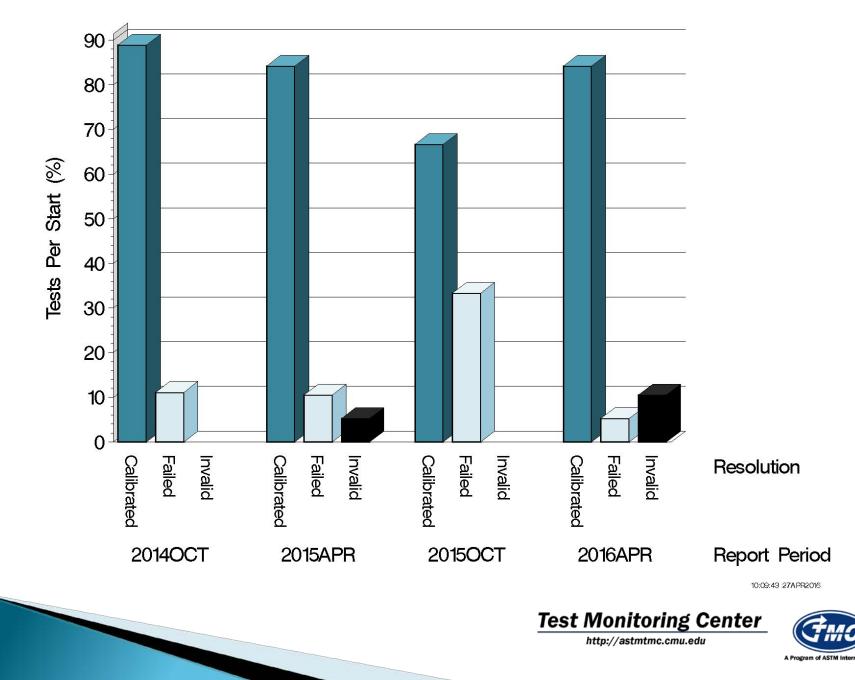
Test Distribution by Validity

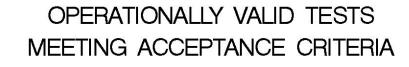
		Number of Tests
Accepted for Calibration	AC	16
Rejected	OC	1
Invalidated	LC	2
Aborted	XC	0
Hardware Approval run	NI	0
Unacceptable Approval run	MI	0
Invalid Approval run	LI	0
Total		19

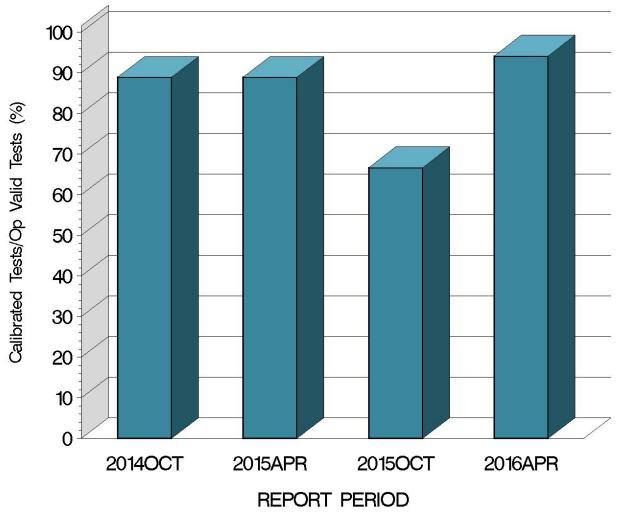




CALIBRATION ATTEMPT SUMMARY







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CAUSES FOR LOST TESTS

Summary of Reasons for Failed Tests	No. of Tests
Mild Copper Concentration	1

Summary of Reasons for Invalid Tests	No. of Tests
Airflow problem	2

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
A	10	-1.589	-1.73333
G	7	-1.760	-0.66571
Industry	17	-1.660	-1.29373

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

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



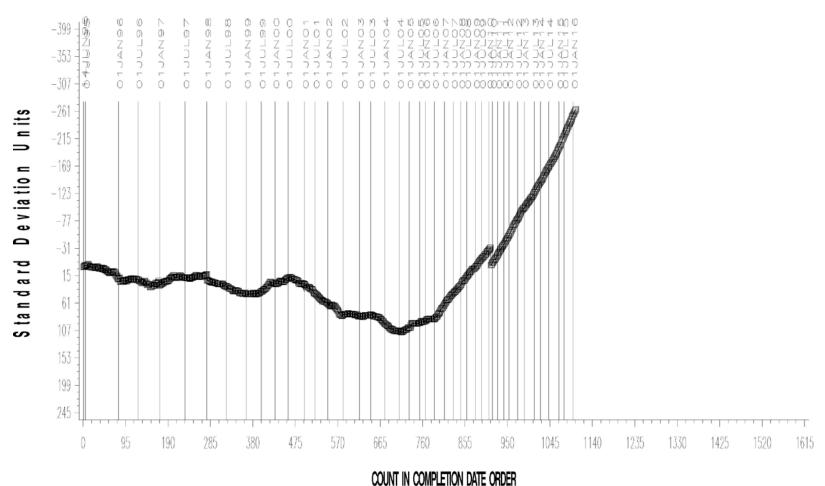


CBT INDUSTRY OPERATIONALLY VALID DATA



COPPER CHANGE (ppm)

CUSUM Severity Analysis



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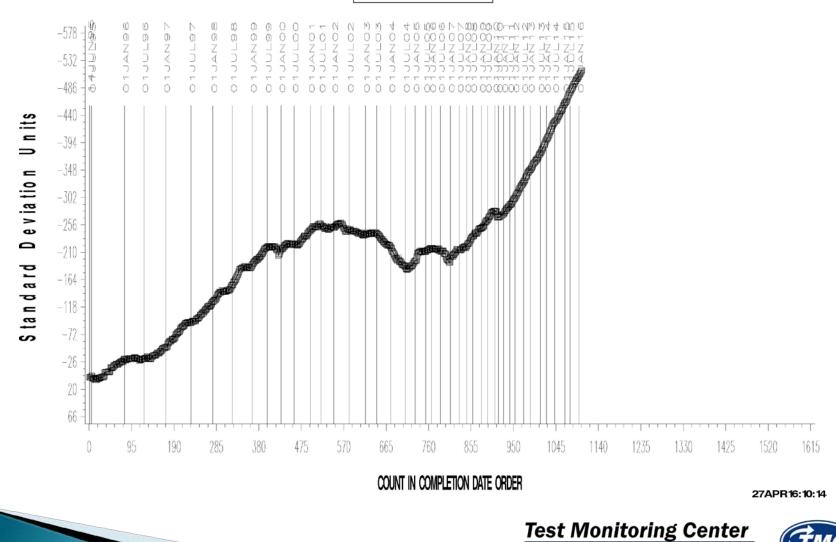
Test Monitoring Center http://astmtmc.cmu.edu

CBT INDUSTRY OPERATIONALLY VALID DATA



LEAD CHANGE (ppm)

CUSUM Severity Analysis

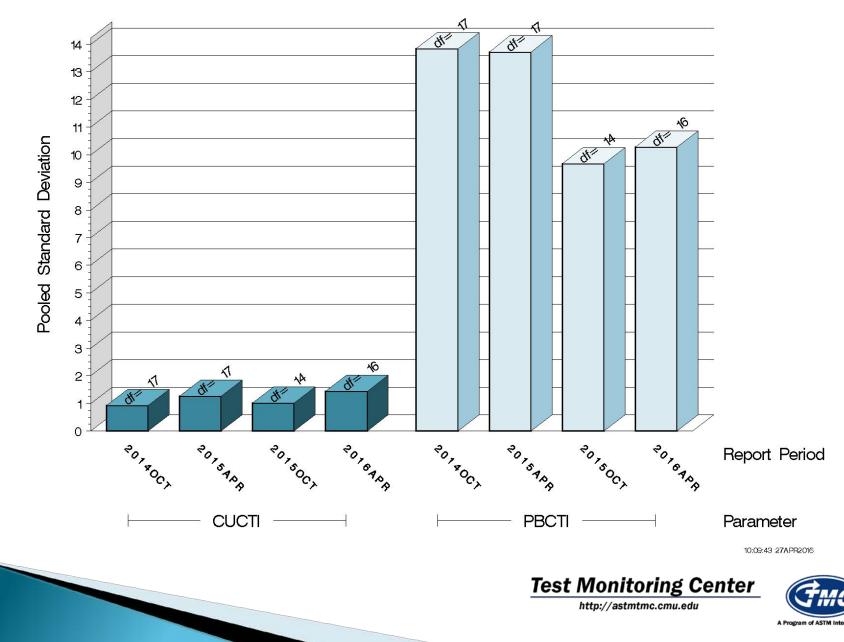


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TEST PRECISION

POOLED STANDARD DEVIATION BY SIX-MONTH ASTM REPORT PERIOD



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 1.44 for copper and 10.28 for lead.

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



INFORMATION LETTERS

No CBT Information Letters were issued this period.





STATUS OF REFERENCE OIL SUPPLY

		@ TMC	
Oil	Samples @ Labs	Samples (4 oz)	Gallons
43	47	1296	40.5

