

Test Monitoring Center

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

MEMORANDUM:	15-034	

DATE: November 4, 2015

TO: Gil Reinhard, Chairman, CBT Surveillance Panel

FROM: Michael T. Kasimirsky Michael J. Resimisky

SUBJECT: CBT Testing from April 1, 2015 through September 30, 2015

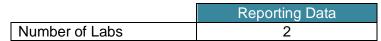
A total of 15 CBT tests were reported to the Test Monitoring Center during the report period from April 1, 2015 through September 30, 2015.

Please find attached a summary of testing activity this period.

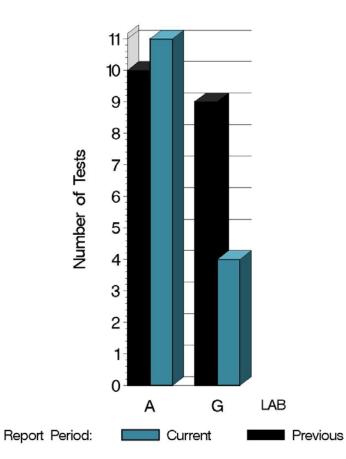
MTK/mtk/astm1015.doc/mem15-034.mtk.doc

cc: F. M. Farber J. A. Clark CBT Surveillance Panel <u>ftp://ftp.astmtmc.cmu.edu/docs/bench/cbt/semiannualreports/cbt-10-2015.pdf</u>

Distribution: email



NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



13:45:43 04NOV2015



http://astmtmc.cmu.edu

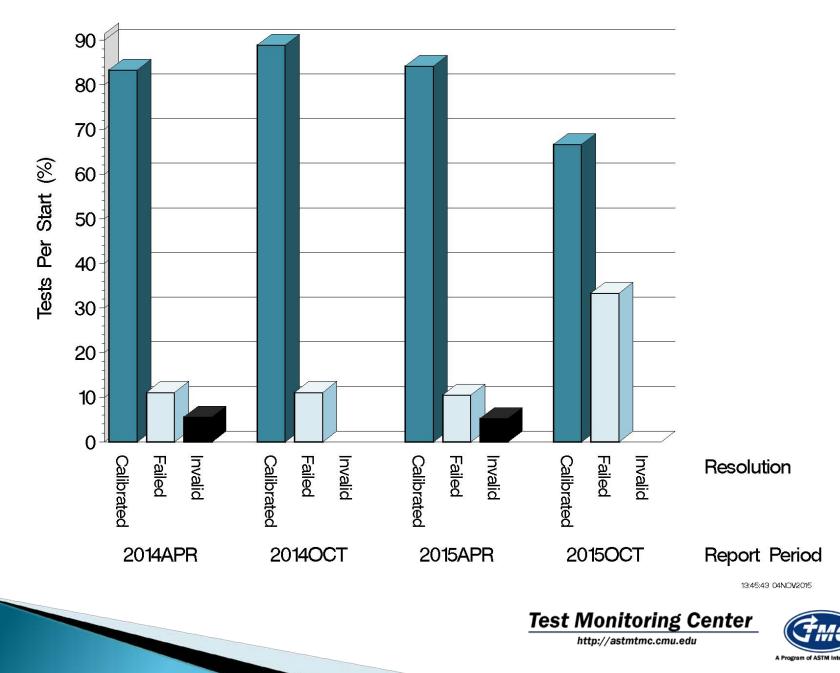
Test Distribution by Validity

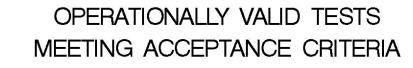
		Number of Tests
Accepted for Calibration	AC	10
Rejected	OC	5
Invalidated	LC	0
Aborted	XC	0
Hardware Approval run	NI	0
Unacceptable Approval run	MI	0
Invalid Approval run	LI	0
Total		15

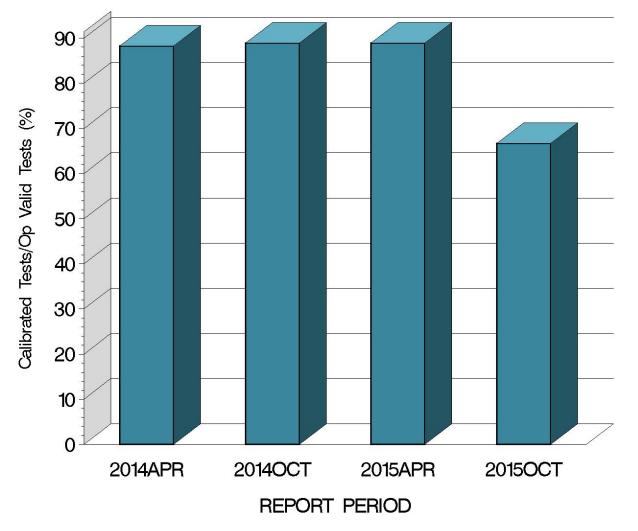




CALIBRATION ATTEMPT SUMMARY







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A Program of ASTM International

CAUSES FOR LOST TESTS

Summary of Reasons for Failed Tests	No. of Tests
Mild Lead & Copper Concentration	1
Mild Lead Concentration	1
Mild Copper Concentration	2
Severe Copper Concentration	1

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
A	11	-1.785	-1.75697
G	4	-1.945	-1.48833
Industry	15	-1.828	-1.68533

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

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



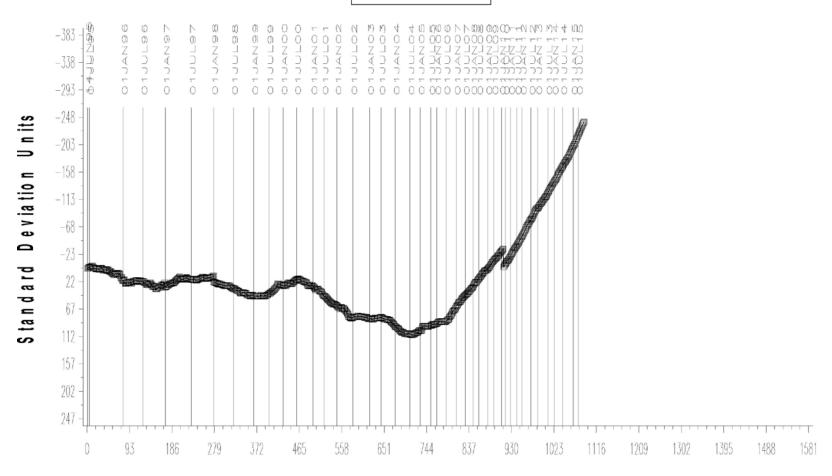


CBT INDUSTRY OPERATIONALLY VALID DATA



COPPER CHANGE (ppm)

CUSUM Severity Analysis



COUNT IN COMPLETION DATE ORDER

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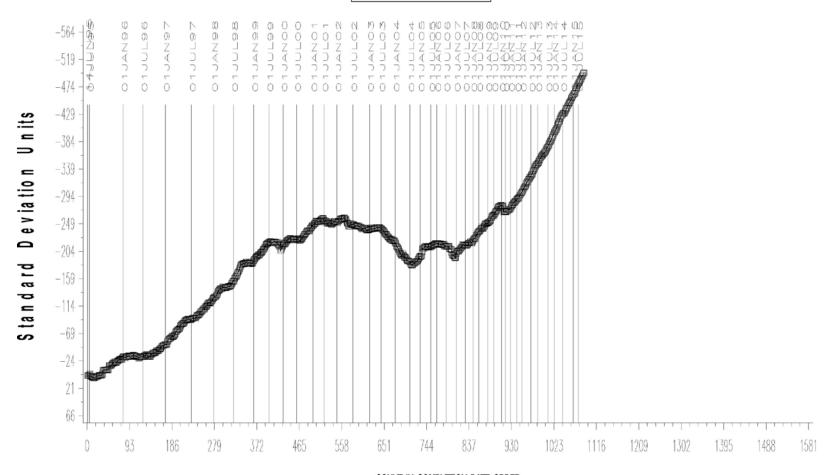
http://astmtmc.cmu.edu

CBT INDUSTRY OPERATIONALLY VALID DATA



LEAD CHANGE (ppm)

CUSUM Severity Analysis



COUNT IN COMPLETION DATE ORDER

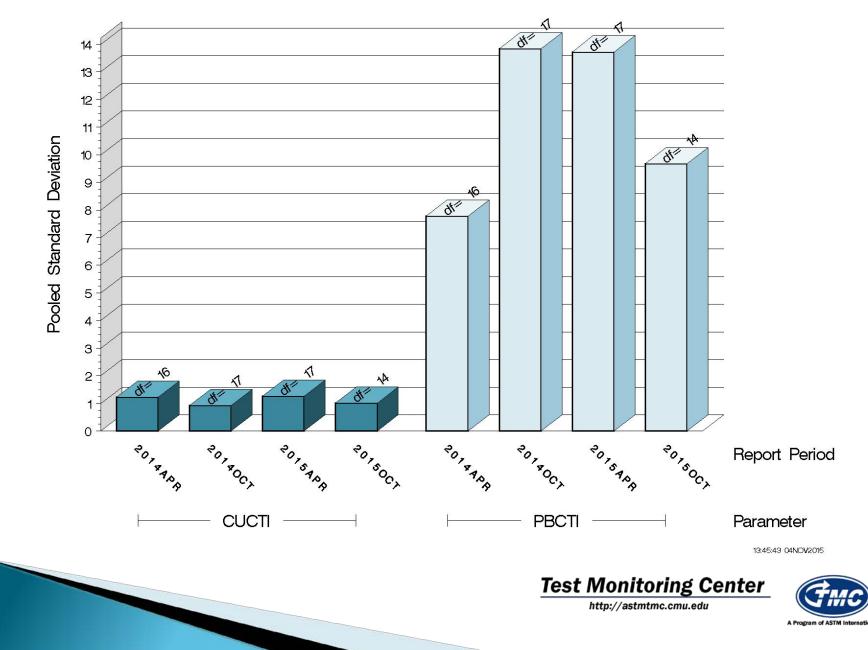
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Test Monitoring Center http://astmtmc.cmu.edu



TEST PRECISION

POOLED STANDARD DEVIATION BY SIX-MONTH ASTM REPORT PERIOD



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 1.01 for copper and 9.68 for lead.

Precision, as measured by pooled standard deviation, is slightly better 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 @	Samples	Gallons
	Labs	(4 oz)	
43	29	1312	41.0

