

Test Monitoring Center

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

MEMORANDUM: 18-039

DATE: November 7, 2018

TO: Mike Lopez, Chairman, CBT Surveillance Panel

FROM: Michael T. Kasimirsky Michael J. Rasimirsky

SUBJECT: CBT Testing from April 1, 2018 through September 30, 2018

A total of 15 CBT tests were reported to the Test Monitoring Center during the report period from April 1, 2018 through September 30, 2018.

Please find attached a summary of testing activity this period.

MTK/mtk/astm1018.doc/mem18-039.mtk.doc

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

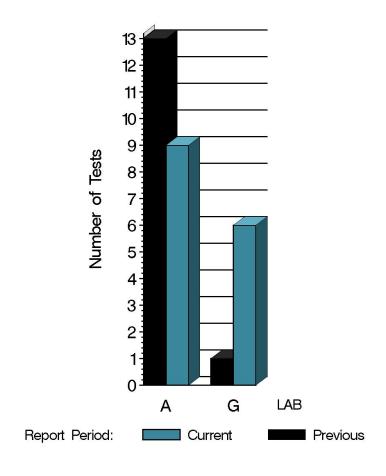
CBT Surveillance Panel

http://www.astmtmc.cmu.edu/ftp/docs/bench/cbt/semiannualreports/cbt-10-2018.pdf

Distribution: email

	Reporting Data	
Number of Labs	2	

NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD





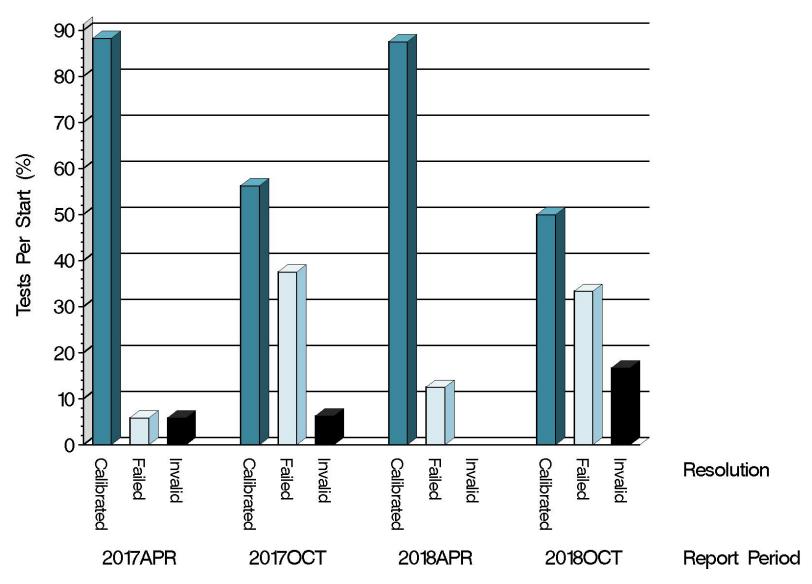


Test Distribution by Validity

		Number of Tests
Accepted for Calibration	AC	6
Rejected	OC	4
Invalidated by Lab	LC	1
Invalidated by TMC	RC	1
Aborted	XC	0
Acceptable Shakedown	AS	1
Unacceptable Shakedown	OS	2
Invalid Shakedown	LS	0
Total		15



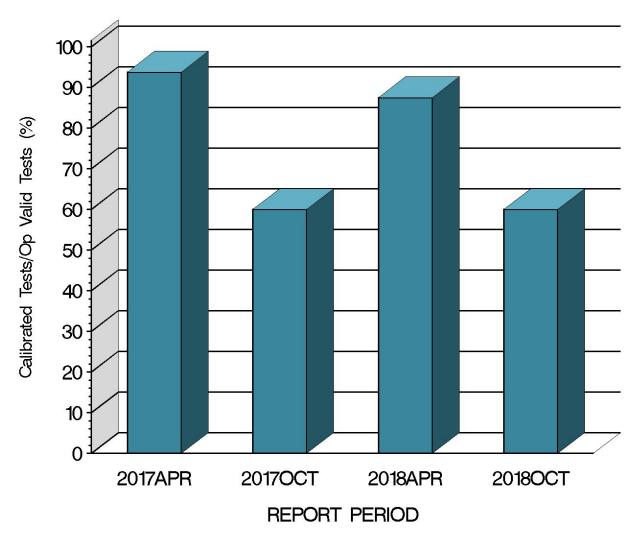
CALIBRATION ATTEMPT SUMMARY







OPERATIONALLY VALID TESTS MEETING ACCEPTANCE CRITERIA







CAUSES FOR LOST TESTS

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

Summary of Reasons for Invalid Tests	No. of Tests
Wrong Temperature	1
Unapproved Test Coupons	1

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
А	5	-1.623	-1.84667
G	5	-2.132	-1.59733
Industry	10	-1.877	-1.722

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

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

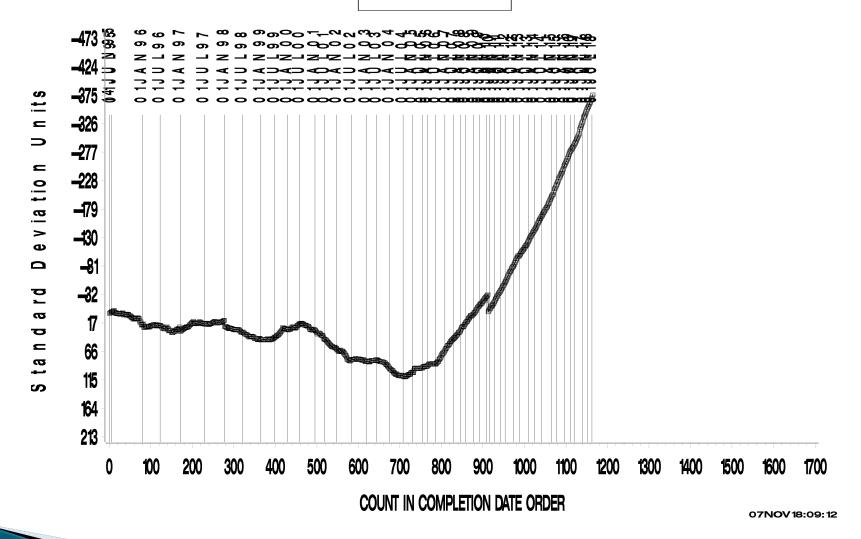


CBT INDUSTRY OPERATIONALLY VALID DATA



COPPER CHANGE (ppm)

CUSUM Severity Analysis





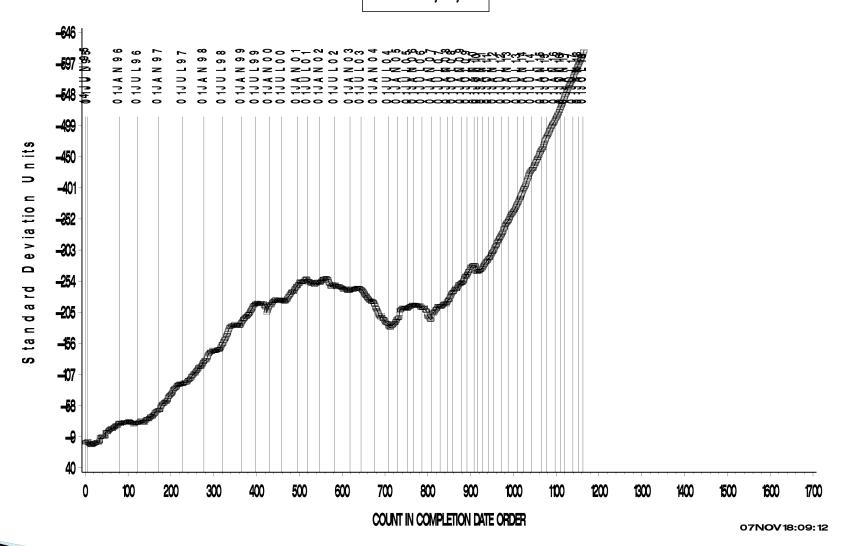


CBT INDUSTRY OPERATIONALLY VALID DATA



LEAD CHANGE (ppm)

CUSUM Severity Analysis

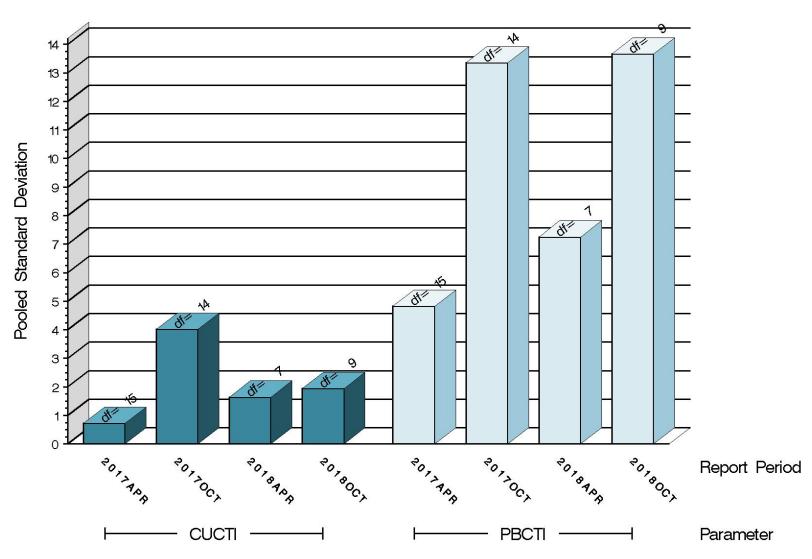






TEST PRECISION

POOLED STANDARD DEVIATION
BY SIX-MONTH ASTM REPORT PERIOD







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 1.94 for copper and 13.66 for lead.

Precision, as measured by pooled standard deviation, has degraded, compared to previous periods for copper and lead, but is still in line with historical levels.





INFORMATION LETTERS

No information letters were issued this period.



STATUS OF REFERENCE OIL SUPPLY

		At TMC	
Oil	Samples at Labs	Samples (4 oz)	Gallons
43	28	1200	37.5

