

Test Monitoring Center

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

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

MEMORANDUM: 19-015

DATE: April 19, 2019

TO: Mike Lopez, Chairman, CBT Surveillance Panel

FROM: Michael T. Kasimirsky Michael J. Rasimisky

SUBJECT: CBT Testing from October 1, 2018 through March 31, 2019

A total of 17 CBT tests were reported to the Test Monitoring Center during the report period from October 1, 2018 through March 31, 2019.

Please find attached a summary of testing activity this period.

MTK/mtk/astm0419.doc/mem19-015.mtk.doc

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

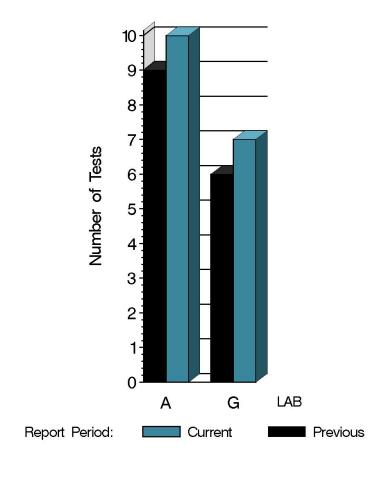
CBT Surveillance Panel

http://www.astmtmc.cmu.edu/ftp/docs/bench/cbt/semiannualreports/cbt-04-2019.pdf

Distribution: email

	Reporting Data	
Number of Labs	2	

NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD





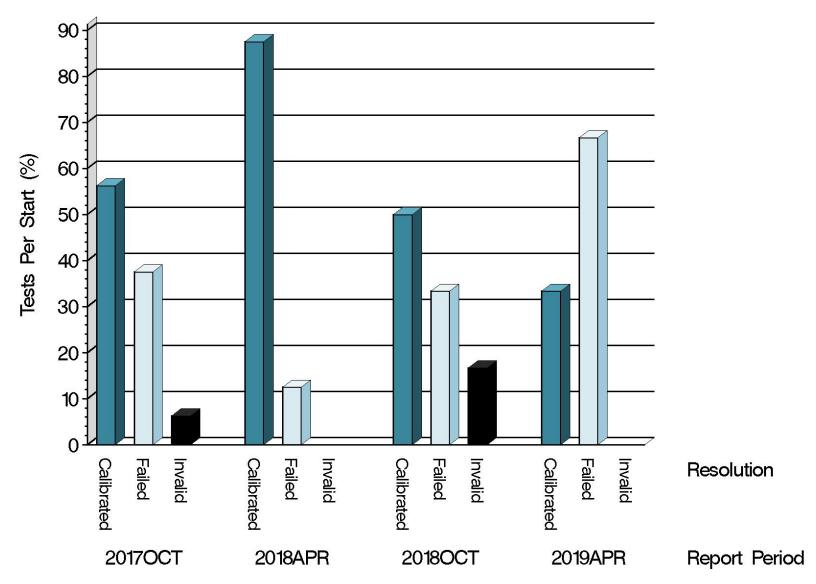


CBT (D 5968) Test Distribution by Validity

		Number of Tests
Accepted for Calibration	AC	2
Rejected	OC	4
Invalidated by Lab	LC	0
Aborted	XC	0
Acceptable Shakedown	NN	2
Unacceptable Shakedown	MN	1
Invalid Shakedown	RN	1
Hardware Run – N Coupons	NI	3
Invalid Hardware Run – TMC	RI	2
Invalid Hardware Run – Lab	LI	2
Total		17



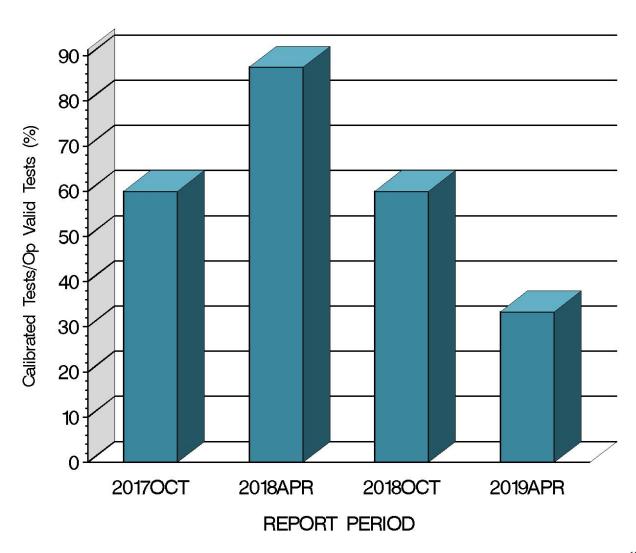
CALIBRATION ATTEMPT SUMMARY







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
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	3	-1.976	-2.26
G	3	-2.219	-1.28889
Industry	6	-2.097	-1.77444

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/

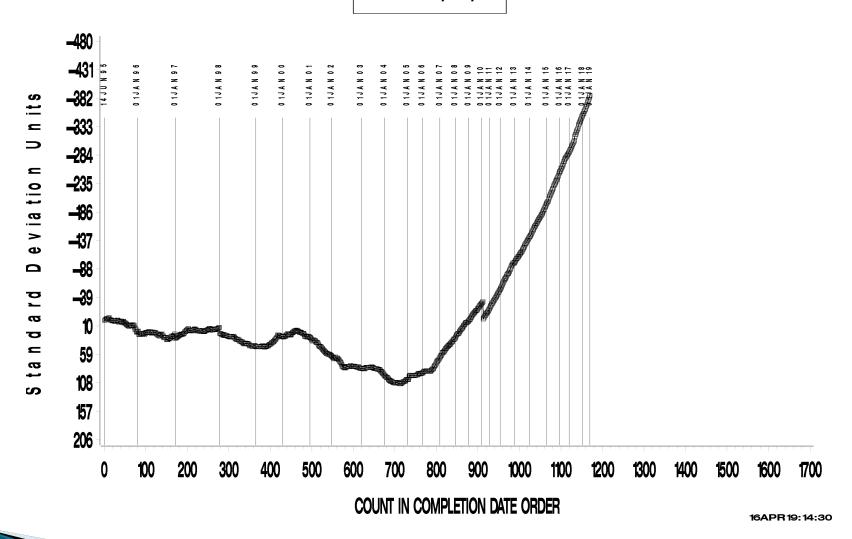


CBT INDUSTRY OPERATIONALLY VALID DATA



COPPER CHANGE (ppm)

CUSUM Severity Analysis







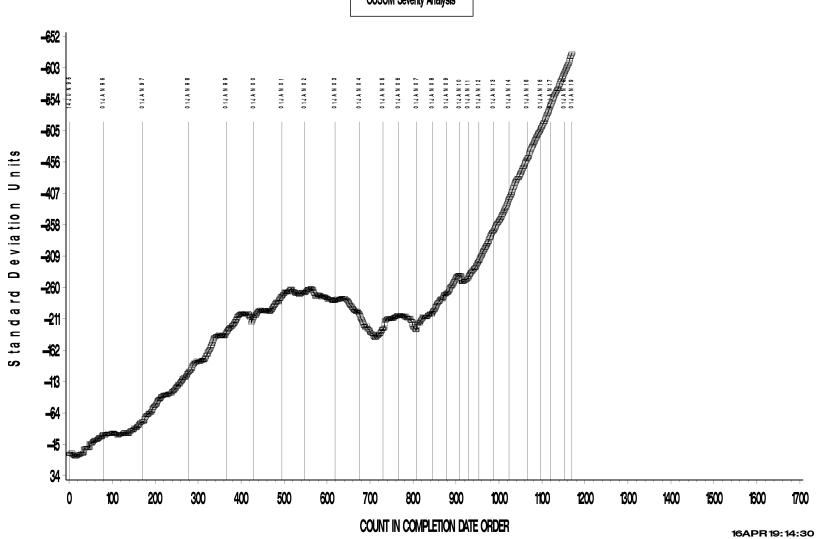
http://astmtmc.cmu.edu

CBT INDUSTRY OPERATIONALLY VALID DATA



LEAD CHANGE (ppm)

CUSUM Severity Analysis

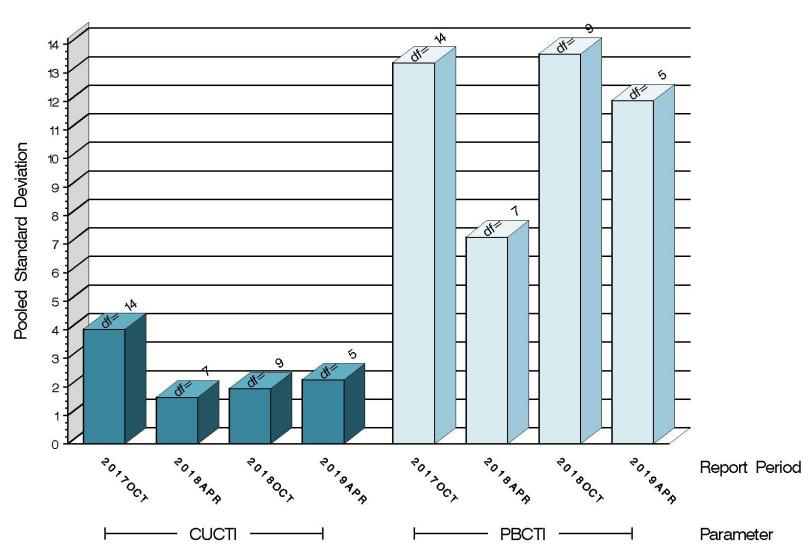


Test Monitoring Center



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 2.25 for copper and 12.03 for lead.

Precision compared to previous periods, as measured by pooled standard deviation, has degraded slightly for copper and improved slightly for lead.





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	38	1055	33.0

