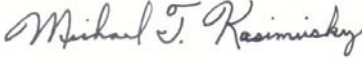




## Test Monitoring Center

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

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

MEMORANDUM: 13-005  
DATE: January 25, 2013  
TO: HTCBT Surveillance Panel  
FROM: Michael T. Kasimirsky   
SUBJECT: Reference Oil 44-3 Initial Test Targets

As part of the January 24, 2013, teleconference, the HTCBT Surveillance Panel approved a motion to introduce Reference Oil 44-3 into the calibration system using test targets based upon 11 data points. The initial targets are shown in Table 1, below:

Table 1: Reference Oil 44-3 Initial Test Targets (N=11)			
Parameter	Mean	Standard Deviation	Acceptance Range
Copper Concentration	4.8052	0.1447	91.9 to 162.3
Lead Concentration	43.8	6.7	30.6 to 57.0

The individual test results used in generation of these test targets are shown in Table 2. The individual test results, initial test target acceptance range, and the test target acceptance range for Reference Oils 44-1 & 44-2 for *Copper Concentration* and *Lead Concentration* are plotted in Figures 1 and 2, respectively.

These test targets will be updated and frozen when 30 data points are available on this reference oil.

These targets are effective on January 24, 2013.

c: <ftp://ftp.astmtmc.cmu.edu/docs/bench/htcbt/memos/mem13-005.pdf>

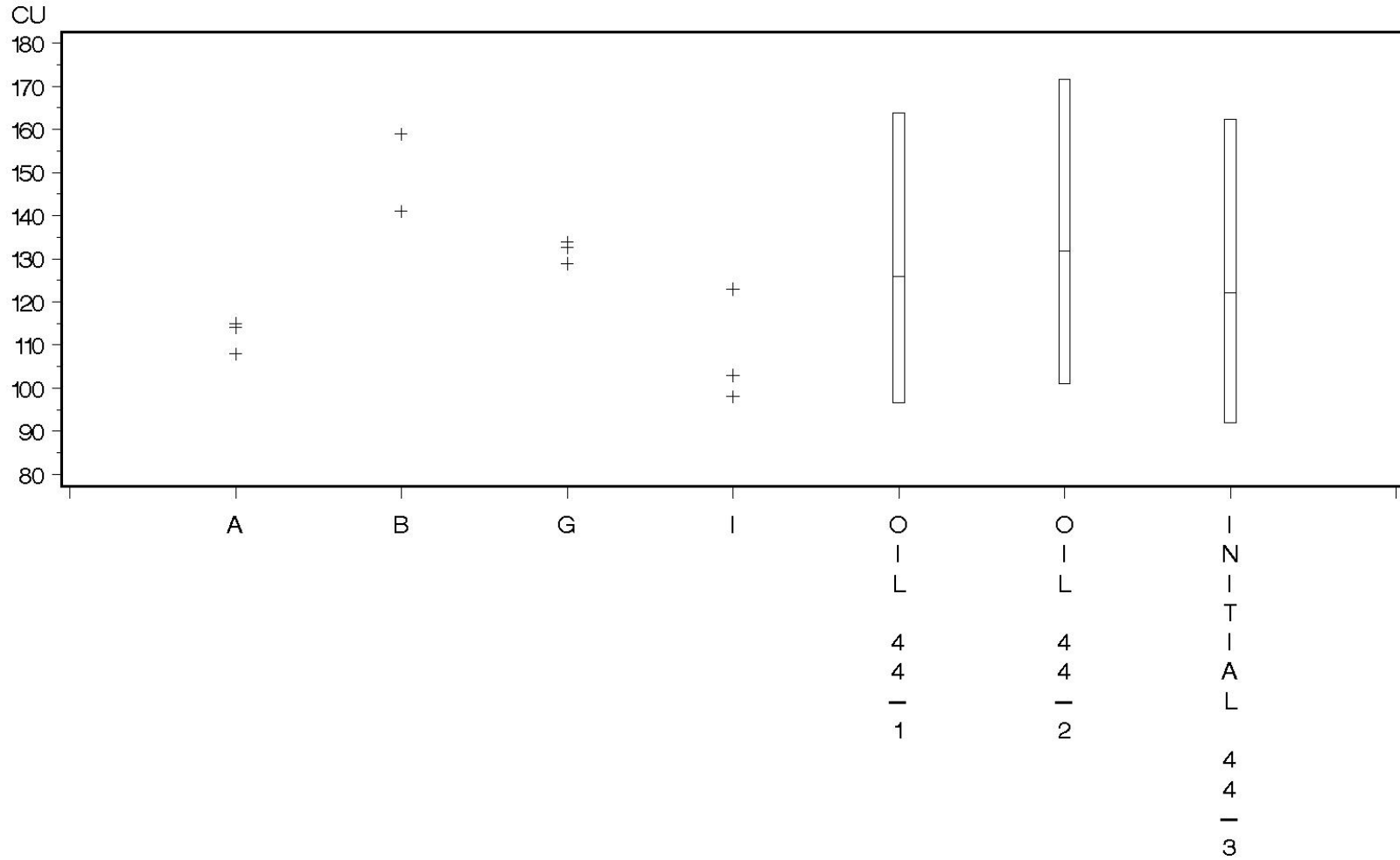
Distribution: electronic mail

TESTKEY	LAB	BATH	BATCH	DATE	TIME	CUC	CUCti	PBC
90851-HTCBT	I	1	J	20121217	11:00	98	4.584967479	54
90852-HTCBT	I	1	J	20121217	11:00	123	4.812184355	54
90853-HTCBT	I	1	J	20121217	11:00	103	4.634728988	52
90532-HTCBT	G	1	J	20121217	21:00	132.7	4.888090941	34.9
90533-HTCBT	G	1	J	20121217	21:00	128.9	4.85903691	43.6
90534-HTCBT	G	1	J	20121217	21:00	133.9	4.897093253	41.6
89199-HTCBT	A	7	J	20121221	15:32	115.0	4.744932128	36.0
89200-HTCBT	A	7	J	20121221	15:32	114.0	4.736198448	40.0
89201-HTCBT	A	7	J	20121221	15:32	108	4.682131227	40
91628-HTCBT	B	1	J	20121226	14:15	141.0	4.94875989	43.0
91629-HTCBT	B	3	J	20130102	11:40	159.0	5.068904202	43.0

# Figure 1: Change in Copper Concentration

## Test Target Data Set and Acceptance Bands

HTCBBT Reference Oil 44-3



### Figure 2: Change in Lead Concentration

Test Target Data Set and Acceptance Bands

HTCBBT Reference Oil 44-3

