



Test Monitoring Center

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MEMORANDUM: 10-019
DATE: May 5, 2010
TO: HTCBT Surveillance Panel
FROM: Michael T. Kasimirsky
SUBJECT: Reference Oil 1005-3 Initial Test Targets

On March 30, 2010, the HTCBT Surveillance Panel approved a motion to introduce Reference Oil 1005-3 into the calibration system based upon targets to be generated from a group of donated tests. The initial test targets, based upon the 15 donated tests obtained, are shown in Table 1, below:

Table 1: Reference Oil 1005-3 Initial Test Targets (N=15)			
Parameter	Mean	Standard Deviation	Acceptance Range
Copper Concentration	1.8469*	0.1794*	4.5 to 9.0 ppm
Lead Concentration	18.3	7.1	4.4 to 32.2 ppm

*Transformed units (*natural log*)

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 ranges for the various Reference Oil 1005 blends, for *Copper Concentration* and *Lead Concentration*, are plotted in Figures 1 and 2, respectively.

These targets are effective on May 5, 2010.

c: <ftp://ftp.astmtmc.cmu.edu/docs/bench/htcbt/memos/mem10-019.pdf>

Distribution: electronic mail

Table 2: Individual Test Results							
TESTKEY	LAB	BATH	COUPON BATCH	LTMSDATE	LTMSTIME	CUC	PBC
74870	B	2	H	20100407	15:10	6	14
74831	G	1	H	20100413	21:45	7.4	20.2
74873	B	1	H	20100415	10:35	6	11
74890	I	2	H	20100415	11:00	4	38
74852	A	7	H	20100415	12:16	6	12
74832	G	2	H	20100415	21:00	7.8	18.8
74833	G	1	H	20100415	22:00	8.8	17.7
74850	A	3	H	20100416	13:42	6	13
74874	B	2	H	20100419	11:10	6	12
74851	A	5	H	20100420	11:09	6	21
74834	G	1	H	20100423	19:30	7.1	19.9
74853	A	3	H	20100427	11:36	6	11
74854	A	7	H	20100428	11:26	6	18
74836	G	2	H	20100428	21:00	7.4	22.1
74891	I	2	H	20100429	11:00	6	26

Figure 1: Change in Copper Concentration

Test Target Data Set and Acceptance Bands

HTCBT Reference Oil 1005-3

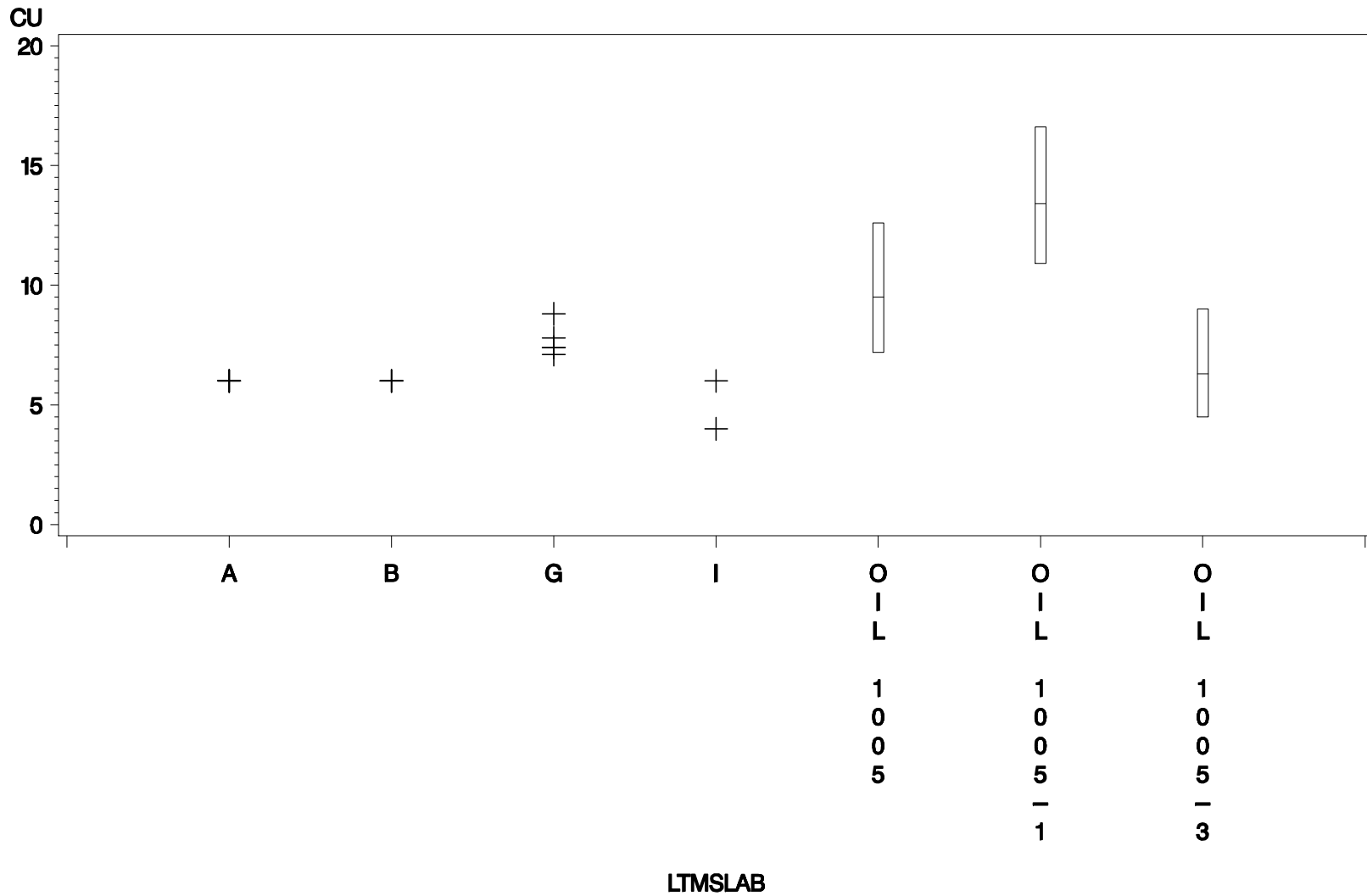


Figure 2: Change in Lead Concentration Test Target Data Set and Acceptance Bands

HTCBT Reference Oil 1005-3

