



Test Monitoring Center

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MEMORANDUM: 10-018
DATE: May 5, 2010
TO: HTCBT Surveillance Panel
FROM: Michael T. Kasimirsky
SUBJECT: Reference Oil 44-2 Initial Test Targets

On March 30, 2010, the HTCBT Surveillance Panel approved a motion to introduce Reference Oil 44-2 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 44-2 Initial Test Targets (N=15)			
Parameter	Mean	Standard Deviation	Acceptance Range
Copper Concentration	4.8808*	0.1349*	101.1 to 171.6 ppm
Lead Concentration	43.9	11.1	22.1 to 65.7 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 44 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/mem10-018.pdf>

Distribution: electronic mail

Table 2: Individual Test Results							
TESTKEY	LAB	BATH	COUPON BATCH	LTMSSDATE	LTMSTIME	CUC	PBC
74860	B	2	H	20100407	15:10	189	52
74821	G	1	H	20100413	21:45	123.8	47.3
74863	B	1	H	20100415	10:35	135	30
74880	I	2	H	20100415	11:00	116	55
74842	A	7	H	20100415	12:16	126	27
74822	G	2	H	20100415	21:00	156.1	59.9
74823	G	1	H	20100415	22:00	132.5	46.8
74840	A	3	H	20100416	13:42	130	33
74864	B	2	H	20100419	11:10	133	37
74841	A	5	H	20100420	11:09	108	50
74824	G	1	H	20100423	19:30	133.2	57.2
74843	A	3	H	20100427	11:36	116	29
74844	A	7	H	20100428	11:26	121	35
74826	G	2	H	20100428	21:00	145.2	53.7
74881	I	2	H	20100429	11:00	129	46

Figure 1: Change in Copper Concentration

Test Target Data Set and Acceptance Bands

HTCBT Reference Oil 44-2

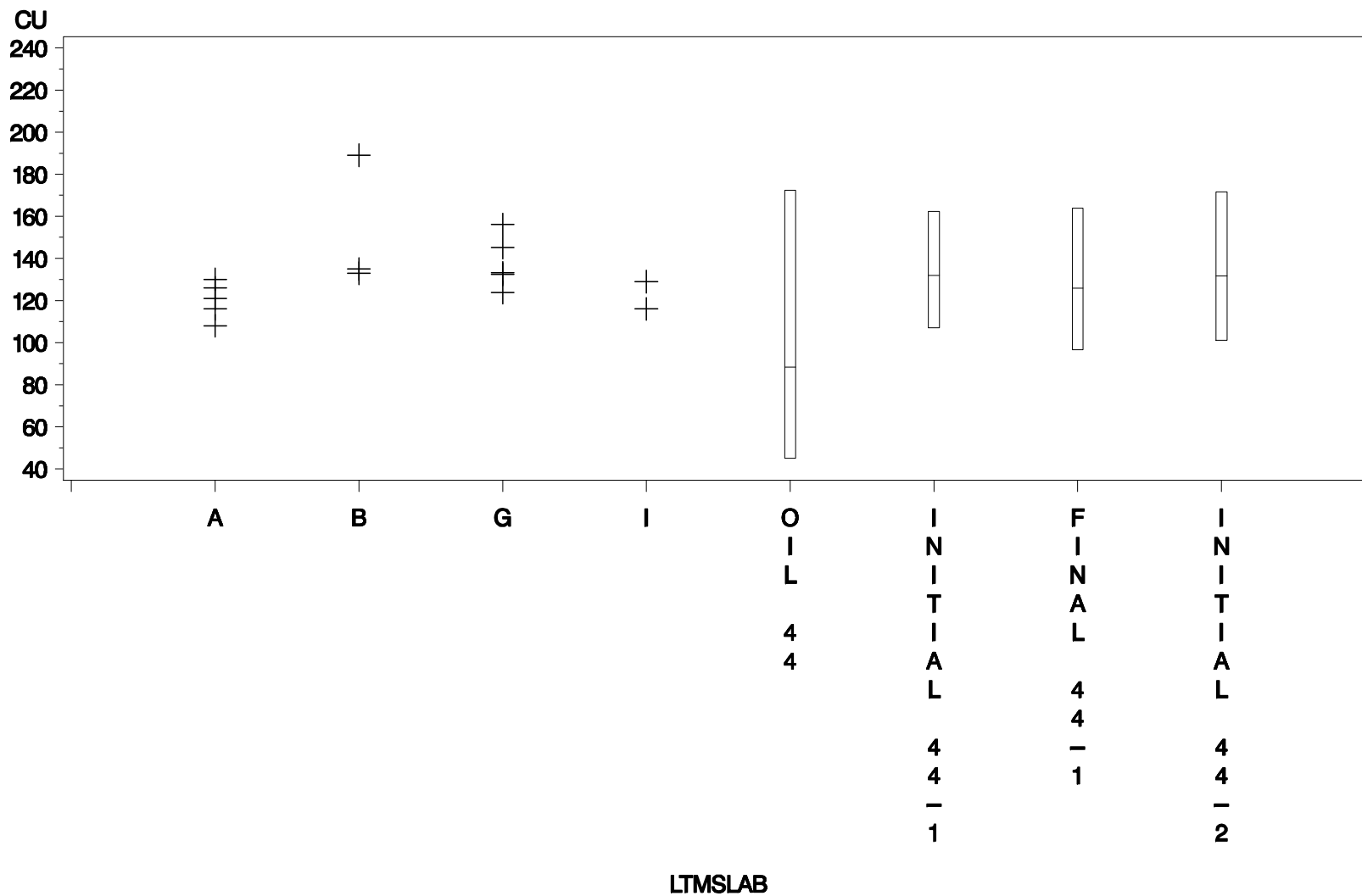


Figure 2: Change in Lead Concentration

Test Target Data Set and Acceptance Bands

HTCBT Reference Oil 44-2

