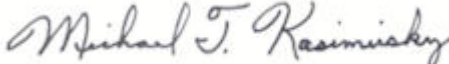




## Test Monitoring Center

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

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

MEMORANDUM: 09-002  
DATE: February 12, 2009  
TO: OSCT Surveillance Panel  
FROM: Michael T. Kasimirsky   
SUBJECT: Reference Oil 168 Test Target Update

At the February 11, 2009, meeting of the OSCT Surveillance Panel, the panel approved a motion to update the test targets for reference oil 168. The updated test targets are shown in Table 1, below:

<b>Table 1: Reference Oil 168 Test Targets (N=38)</b>		
<b>Parameter</b>	<b>Target Mean</b>	<b>Standard Deviation</b>
<i>Percent Elongation</i>	-74.52	1.599
<i>Shore Hardness</i>	3.0	0.79
<i>Percent Volume Change</i>	1.326	0.1388

The individual test results used in generation of these test targets are shown in Table 2. Individual test results, as well as the old and new test target bands, for *Percent Elongation*, *Shore Hardness*, and *Percent Volume Change* are plotted in Figures 1 through 3, respectively.

These updated targets are effective on March 1, 2009.

c: <ftp://ftp.astmtmc.cmu.edu/docs/gear/osct/memos/mem09-002.pdf>

Distribution: electronic mail

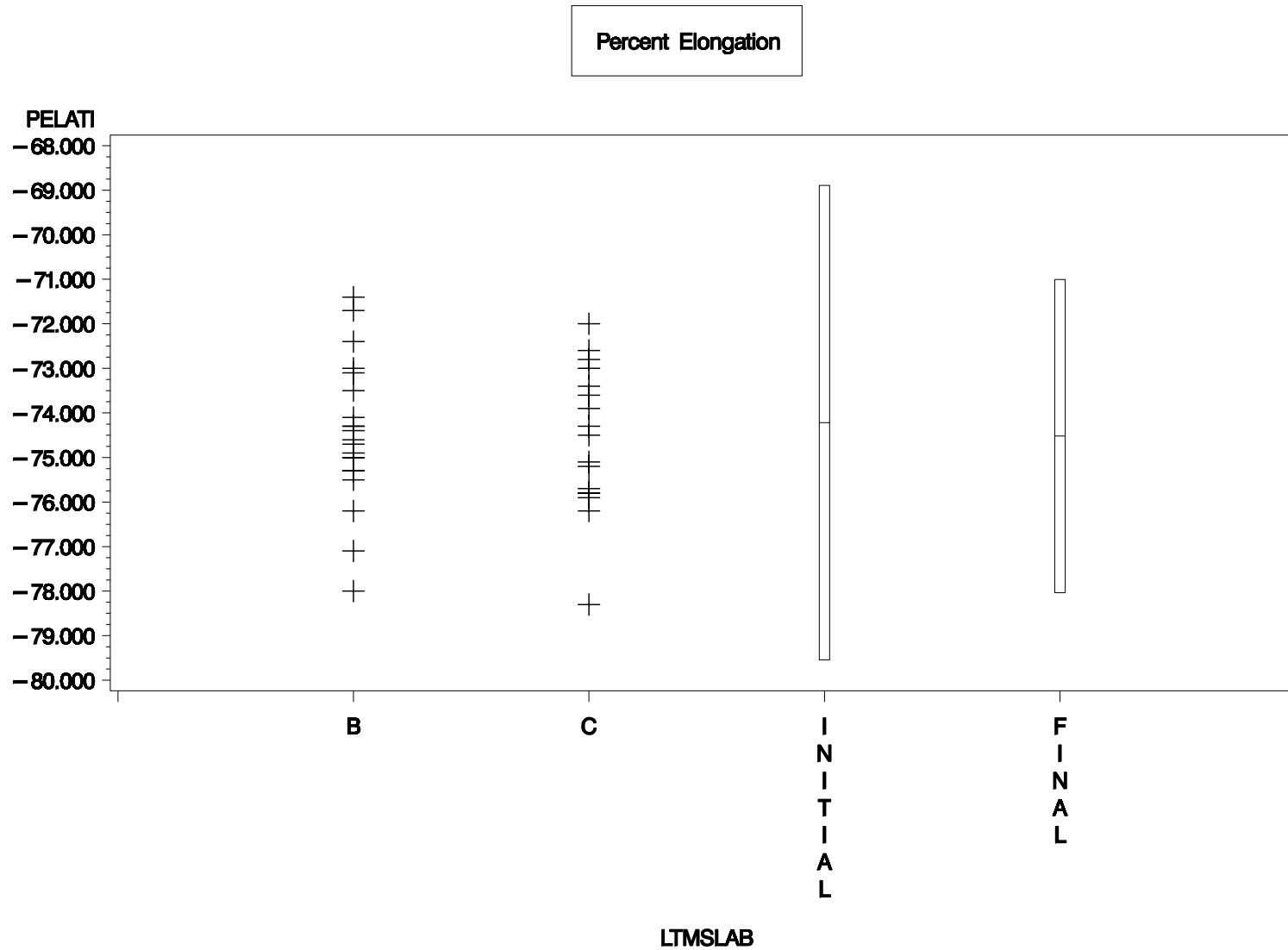
**Table 2: Test Data Used For Test Target Generation**

Testkey	Lab	Bath	LTMDate	LTMTime	Batch	PELA	SAHA	PVCA
58124	B	4	20060818	10:15	NI330	-74.1	3	1.47
58125	B	4	20060828	10:15	NI331	-75.3	4	1.25
58101	C	2	20060828	11:10	NI331	-72.0	3	1.19
58126	B	4	20060907	01:00	NI330	-71.4	3	1.33
59947	B	4	20061012	08:45	NI331	-73.0	3	1.16
59982	C	2	20061013	13:08	NI331	-75.8	3	1.16
59948	B	4	20061103	09:30	NI331	-72.4	4	1.38
59980	C	2	20061106	13:03	NI331	-75.7	4	1.16
59983	C	2	20070125	14:10	NI331	-73.9	2	1.40
59950	B	4	20070129	08:45	NI331	-71.7	3	1.10
59951	B	4	20070209	09:30	NI331	-75.0	3	1.20
59984	C	2	20070215	13:01	NI331	-74.3	3	1.30
59952	B	4	20070226	08:45	NI331	-74.3	3	1.30
60908	B	4	20070315	09:30	NI331	-74.4	4	1.30
60909	B	4	20070518	08:45	NI331	-76.2	4	1.20
59985	C	2	20070624	14:24	NI332	-72.6	1	1.60
62034	B	4	20070726	08:45	NI331	-74.7	3	1.10
62056	C	2	20070730	11:46	NI332	-75.9	4	1.30
62035	B	4	20070917	08:45	NI331	-75.3	2	1.40
62057	C	2	20071011	14:37	NI332	-73.4	2	1.50
65098	C	2	20071114	13:53	NI332	-75.2	3	1.40
62036	B	4	20071210	08:45	NI332	-74.6	3	1.30
62037	B	4	20071221	11:00	NI332	-74.9	4	1.10
65099	C	2	20080204	13:54	NI332	-75.8	3	1.30
63483	B	4	20080229	09:30	NI332	-78.0	3	1.60
65100	C	2	20080312	10:16	NI332	-78.3	3	1.50
63484	B	4	20080606	01:45	NI332	-73.1	3	1.40
65101	C	2	20080616	14:05	NI332	-72.8	4	1.50
65780	C	2	20080721	08:49	NI332	-73.6	3	1.50
65756	B	4	20080725	10:15	NI332	-77.1	3	1.20
65781	C	2	20080807	07:31	NI332	-74.5	3	1.40
65782	C	2	20080829	14:22	NI332	-76.2	2	1.50
65757	B	4	20080929	10:00	NI332	-75.5	4	1.20
65783	C	2	20080929	17:52	NI332	-73.0	2	1.40
67780	C	2	20081010	11:22	NI332	-75.1	3	1.40
65758	B	4	20081027	08:45	NI332	-73.5	1	1.20
65759	B	4	20081031	10:15	NI332	-74.3	4	1.30
68366	B	4	20081113	09:30	NI332	-75.0	3	1.40

PELA = Percent Elongation  
SAHA = Shore Hardness  
PVCA = Percent Volume Change

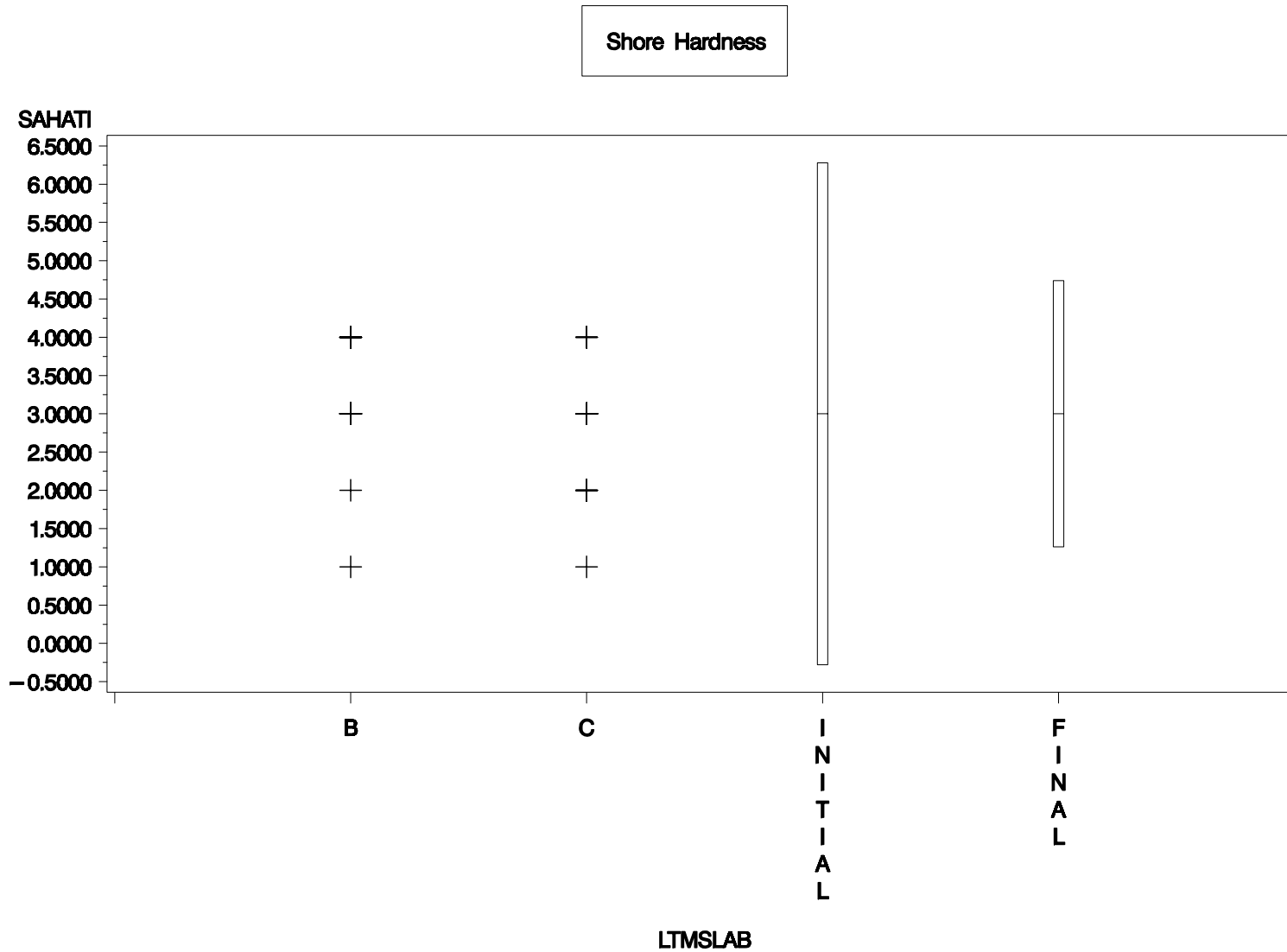
# Figure 1: Test Target Data Set and Acceptance Bands

## OSCT Reference Oil 168



### Figure 2: Test Target Data Set and Acceptance Bands

OSCT Reference Oil 168



### Figure 3: Test Target Data Set and Acceptance Bands

OSCT Reference Oil 168

