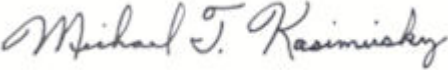




## Test Monitoring Center

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

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

MEMORANDUM: 09-003  
DATE: March 13, 2009  
TO: OSCT Surveillance Panel  
FROM: Michael T. Kasimirsky   
SUBJECT: Reference Oil 168 Test Target Update

At the March 11, 2009 teleconference of the OSCT Surveillance Panel, the panel approved a motion to update the test targets for reference oil 168 using standard deviations based upon reference oil 162. All tests on reference oil 162 completed since 2000 were selected for this calculation by the panel (138 total). The updated test targets are shown in Table 1, below:

<b>Table 1: Reference Oil 168 Test Targets (N=38); Reference Oil 162 standard deviation used (N=138)</b>		
<b>Parameter</b>	<b>Target Mean</b>	<b>Standard Deviation*</b>
<i>Percent Elongation</i>	-74.52	6.965
<i>Shore Hardness</i>	3.0	1.89
<i>Percent Volume Change</i>	1.326	1.4730

\*Calculated from Reference Oil 162 data.

Individual test results on reference oil 168, as well as the original, updated, and final test target bands, for *Percent Elongation*, *Shore Hardness*, and *Percent Volume Change* are plotted in Figures 1 through 3, respectively.

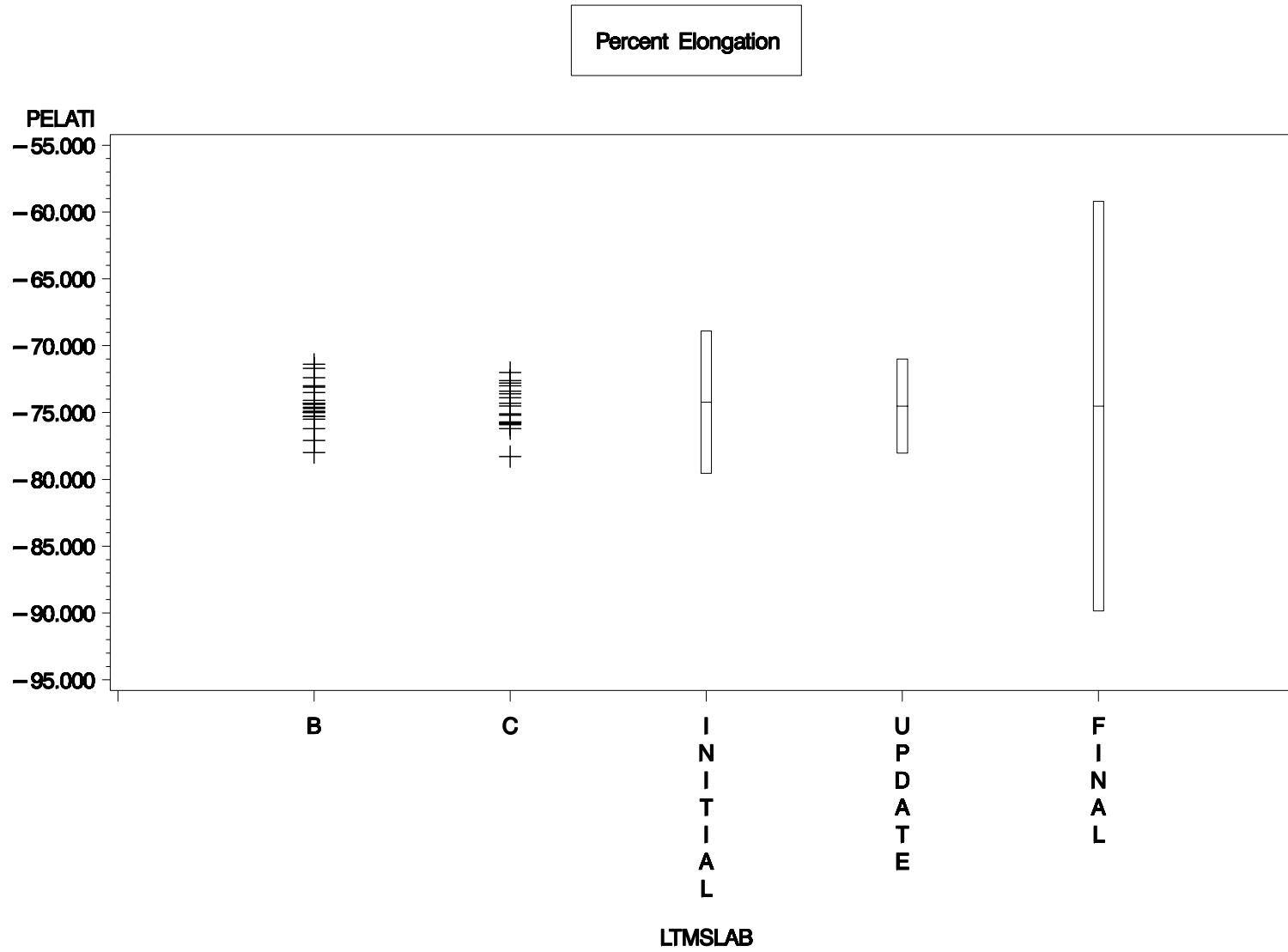
These updated targets are effective on March 11, 2009.

c: <ftp://ftp.astmtmc.cmu.edu/docs/gear/osct/memos/mem09-003.pdf>

Distribution: electronic mail

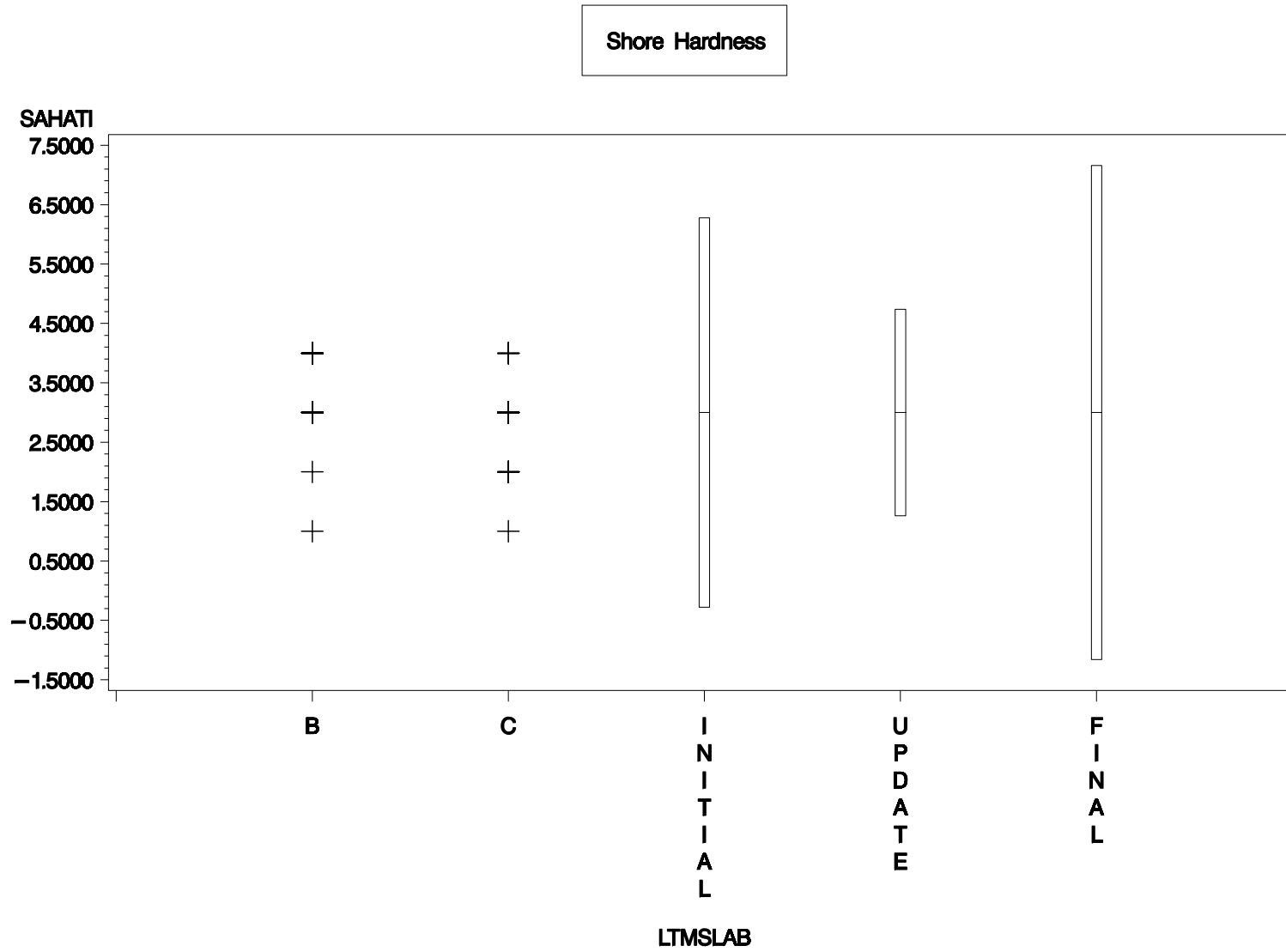
# Figure 1: Test Target Data Set and Acceptance Bands

OSCT Reference Oil 168 (Oil 162 Standard Deviation used)



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

OSCT Reference Oil 168 (Oil 162 Standard Deviation used)



**Figure 3: Test Target Data Set and Acceptance Bands**  
OSCT Reference Oil 168 (Oil 162 Standard Deviation used)

