




Test Monitoring Center

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

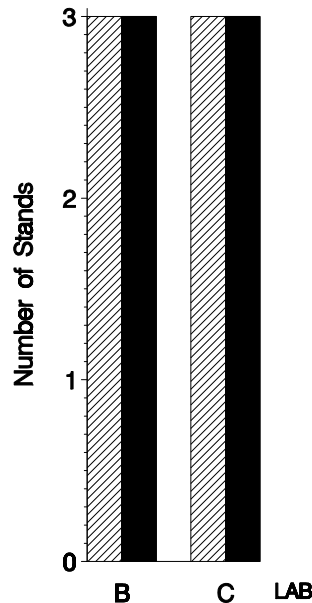
<http://astmtmc.cmu.edu>
412-365-1000

MEMORANDUM: 10-034
DATE: July 1, 2010
TO: Don Bell, Chairman, OSCT Surveillance Panel
FROM: Scott Parke 
SUBJECT: OSCT Testing from October 1, 2009 through March 31, 2010

A total of 44 OSCT tests were reported to the Test Monitoring Center during the period from October 1, 2009 through March 31, 2010. Following is a summary of testing activity this period.

	Reporting Data
Number of Labs	2
Number of Stands	6

BY-LAB STAND DISTRIBUTION

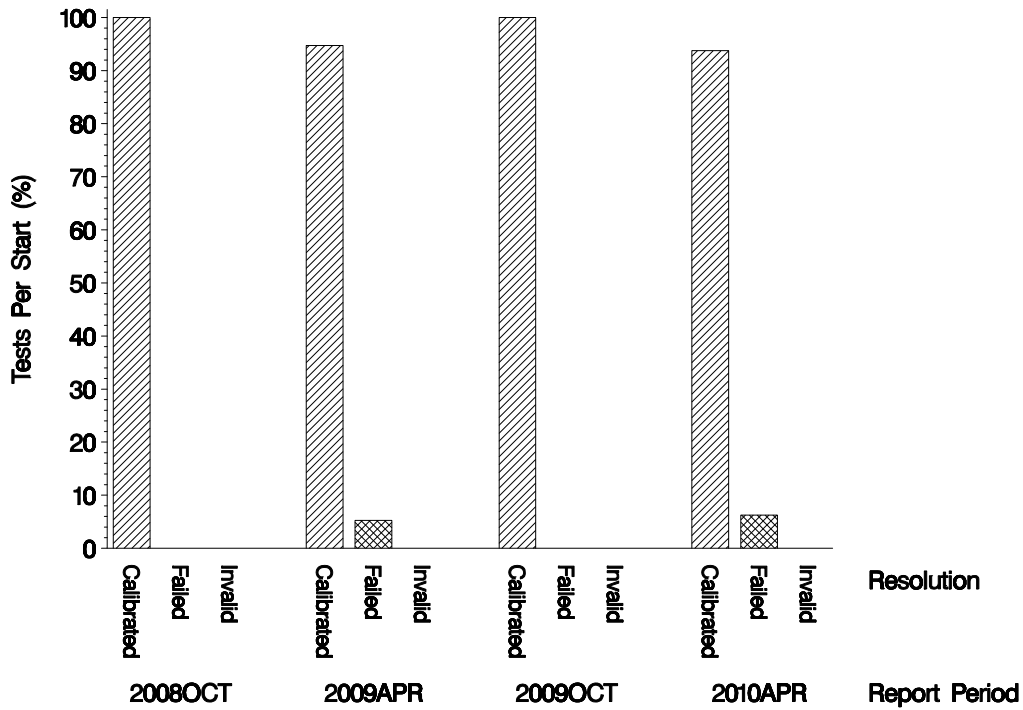


Report Period:  Current  Previous

Test Distribution by Oil and Validity

		FL	NI	PA	Totals	
					Last Period	This Period
Accepted for calibration	AC	15	14	16	28	45
Rejected (low result)	OC	1	0	1	0	2
Rejected (high result)	OC	0	0	1	0	1
Invalidated calibration	LC	0	0	0	0	0
Aborted	XC	0	0	0	0	0
Acceptable elastomer approval run	NI	0	4	3	0	7
Unacceptable elastomer approval run	MI	0	0	3	16	3
Total		16	18	24	44	58

CALIBRATION ATTEMPT SUMMARY



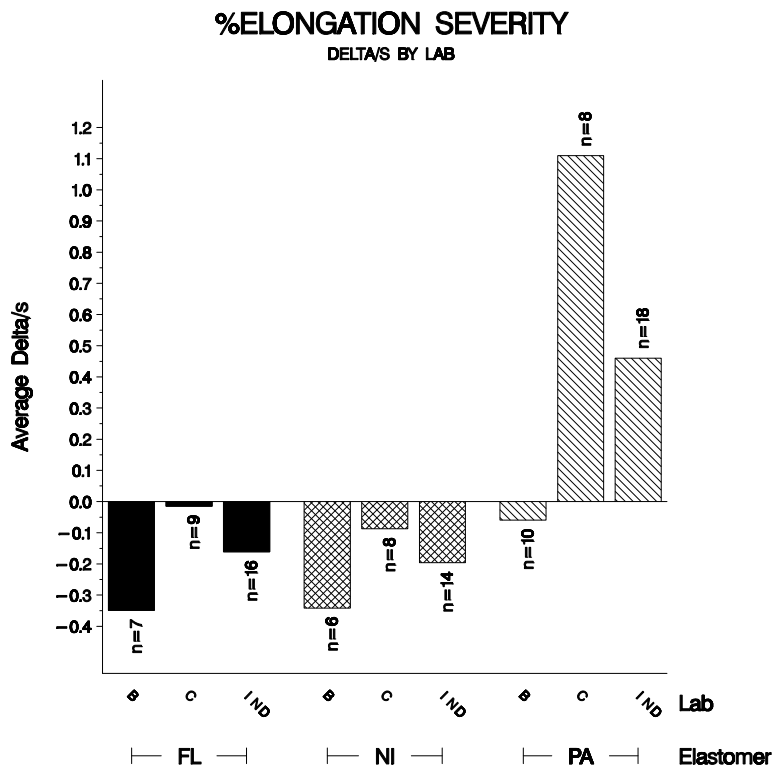
CAUSES FOR LOST TESTS:

Lab	Cause	Elastomer			Validity			Loss Rate		
		FL	NI	PA	RC	LC	XC	Lost	Starts	%
	No tests were lost this period.							0	58	0%
	Lost	0	0	0	0	0	0			
	Starts	16	18	24	58	58	58			
	%	0%	0%	0%	0%	0%	0%			

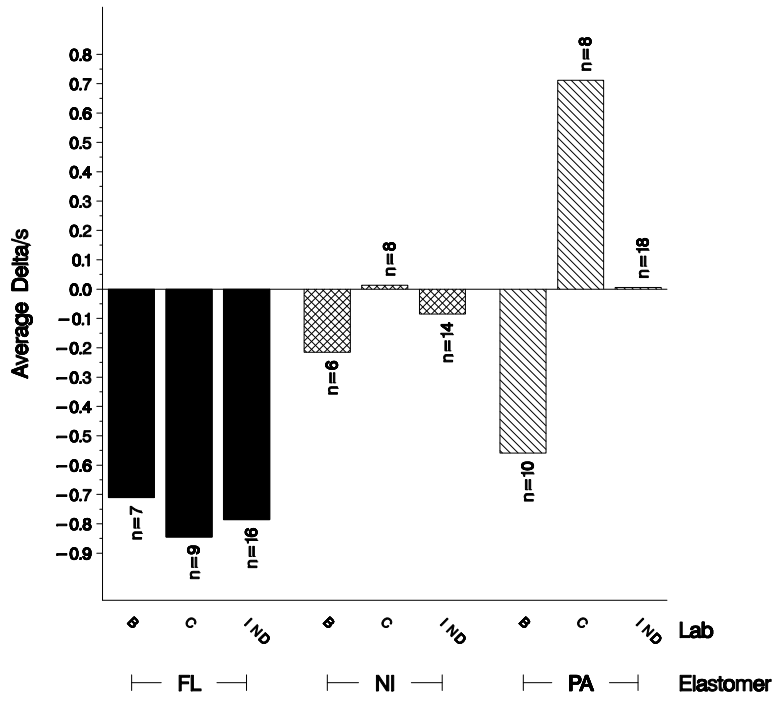
Lost tests are calibration attempts that were either aborted or operationally invalid.

Elastomer	Lab	n	Average Δ /s by Lab		
			PELA	PVCA	SAHA
FL	B	7	-0.349	-0.711	-0.664
	C	9	-0.015	-0.845	0.304
	Industry	16	-0.161	-0.786	-0.119
	Shift*	16	-1.274	-0.442	-0.185
NI	B	6	-0.341	-0.216	0.235
	C	8	-0.087	0.013	-0.310
	Industry	14	-0.196	-0.085	-0.076
	Shift*	14	-1.186	-0.059	-0.102
PA	B	10	-0.059	-0.559	0.263
	C	8	1.110	0.712	-0.196
	Industry	18	0.460	0.006	0.059
	Shift*	18	10.324	0.010	0.160

*as computed using historic pooled s

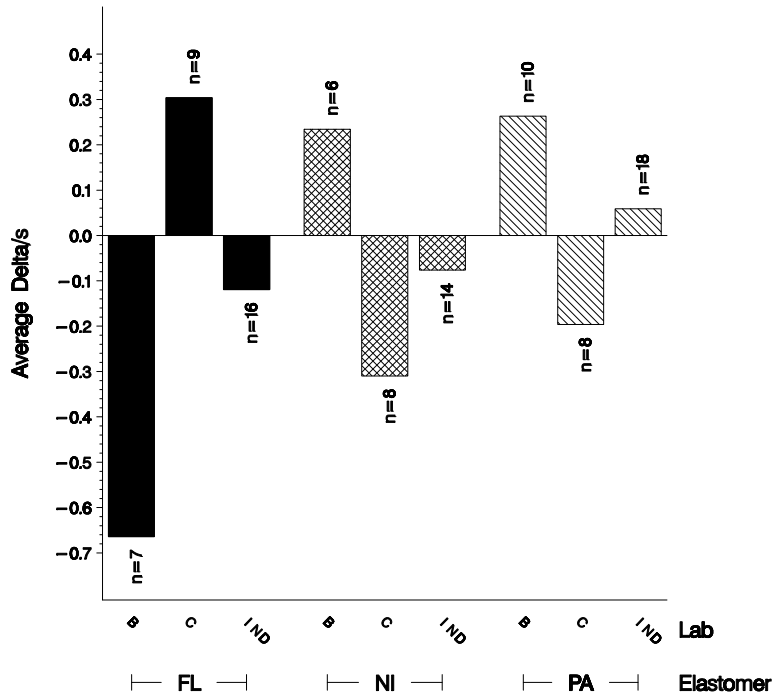


%VOLUME CHANGE SEVERITY DELTA/S BY LAB



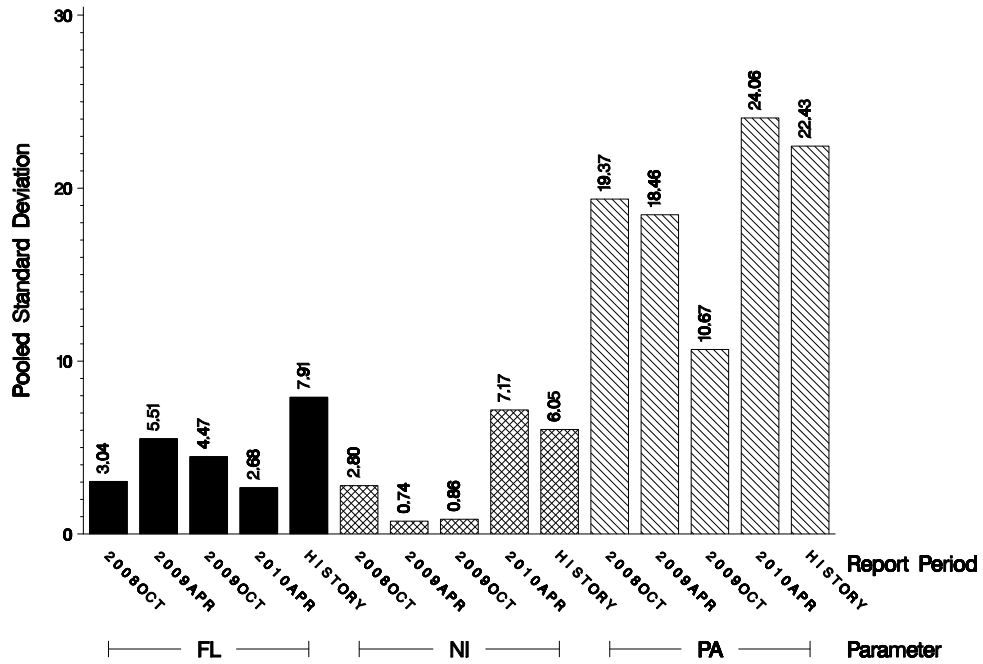
103035 28JUN2010

S.A. HARDNESS SEVERITY DELTA/S BY LAB



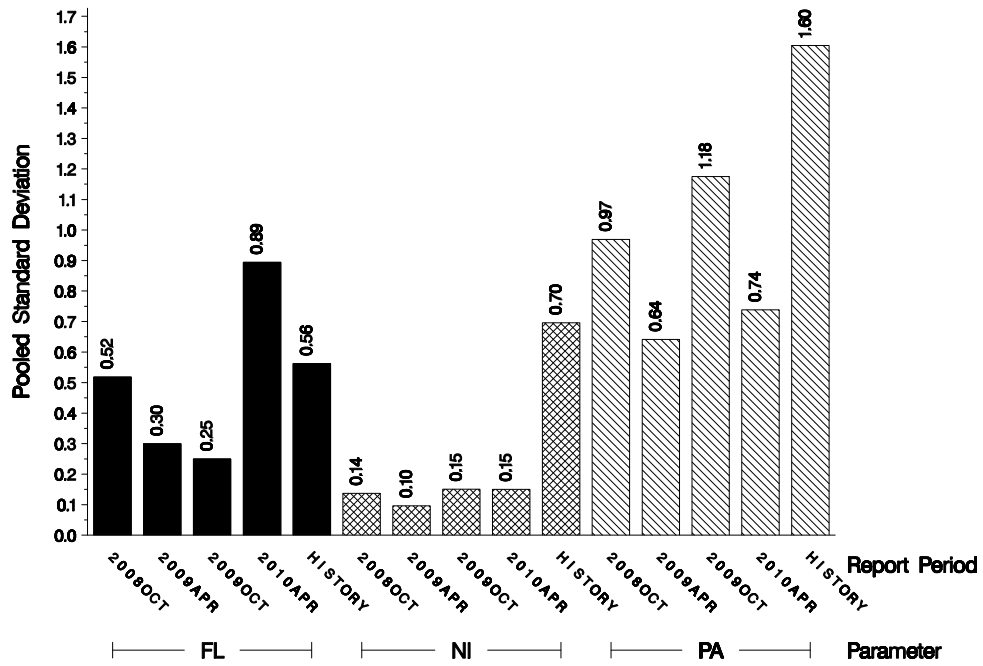
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%ELONGATION PRECISION
 POOLED STANDARD DEVIATION
 BY SIX-MONTH ASTM REPORT PERIOD



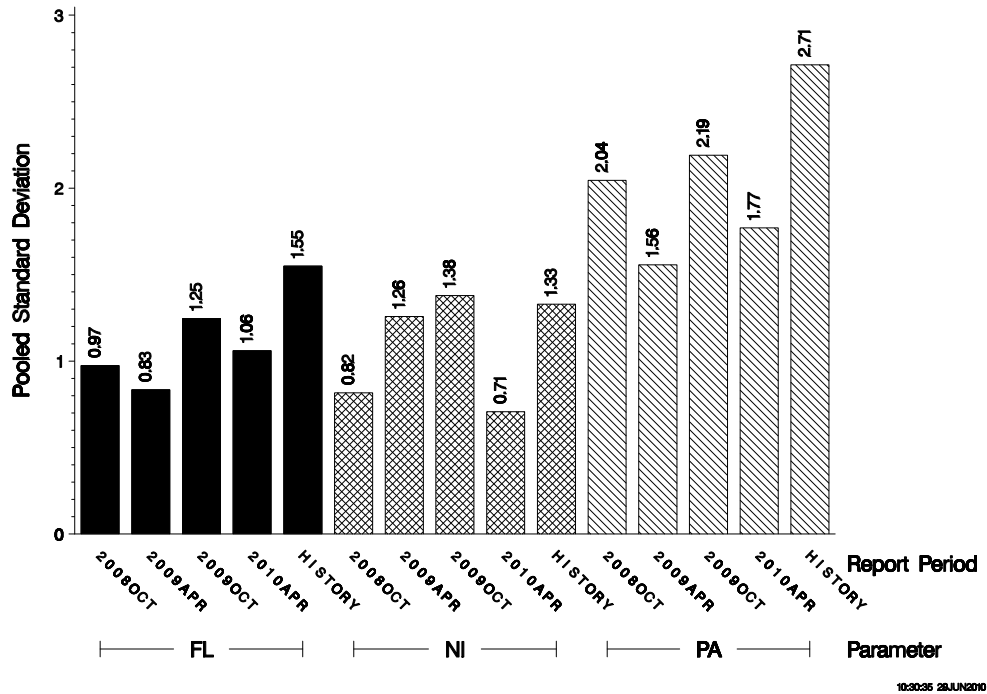
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%VOLUME CHANGE PRECISION
 POOLED STANDARD DEVIATION
 BY SIX-MONTH ASTM REPORT PERIOD



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S.A. HARDNESS PRECISION
POOLED STANDARD DEVIATION
BY SIX-MONTH ASTM REPORT PERIOD



INDUSTRY CONTROL CHARTS:

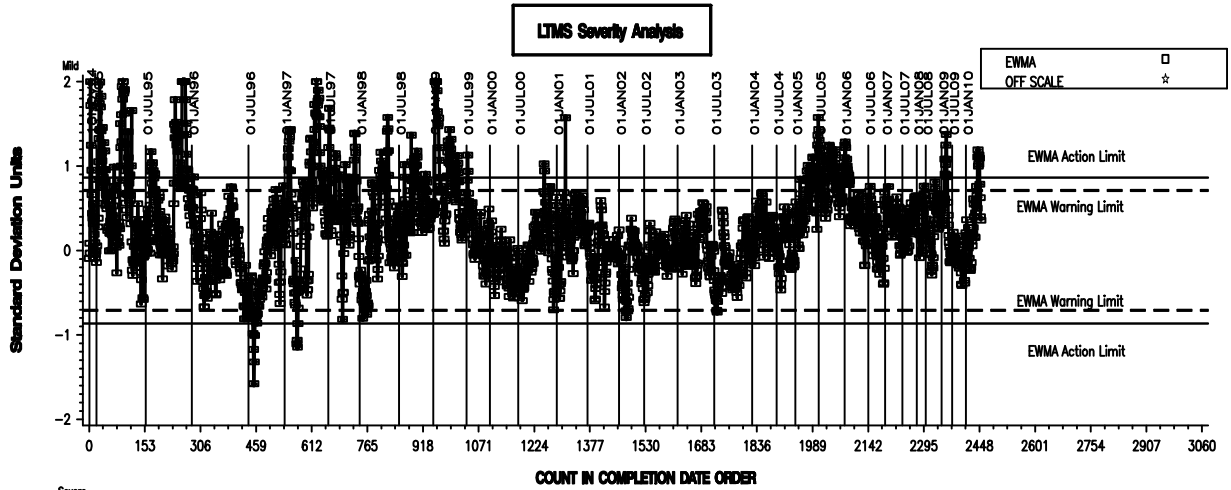
The industry control charts are shown beginning on the following page.

During this report period, PVCA exceeded the severity action limit once (result below target) and ended the period just over the severity warning limit (result below target). Both PELA and SAHA remained within severity limits throughout the period.

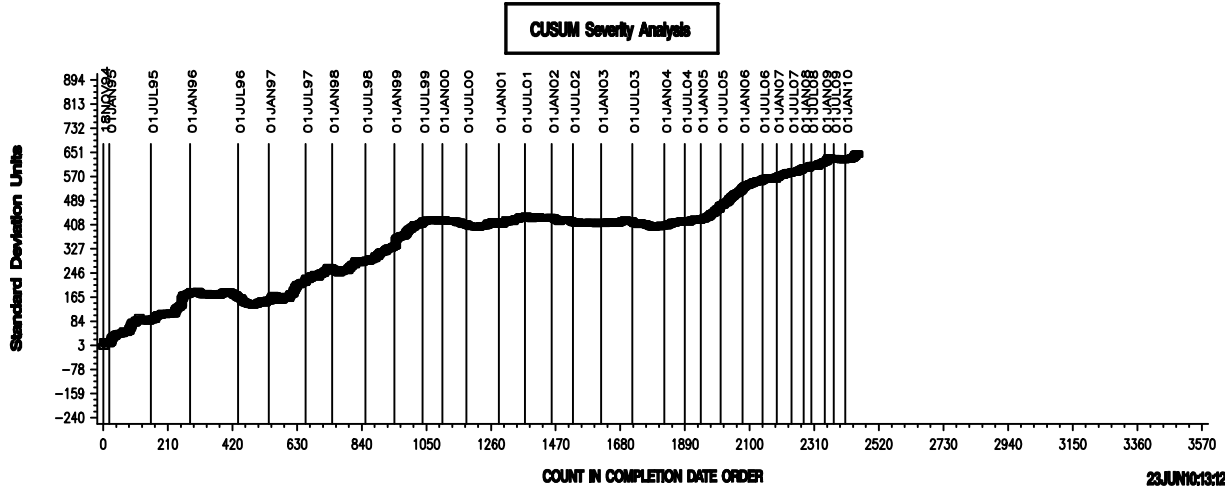
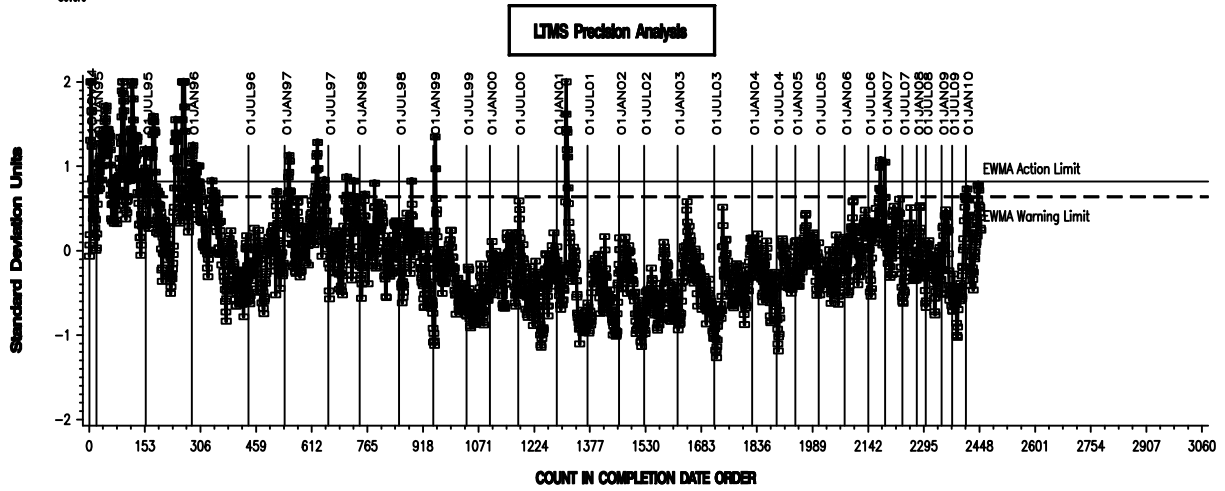
PELA exceeded the precision warning limit on three occasions in December/January; PVCA and SAHA remained within limits throughout the period.

OSCT INDUSTRY OPERATIONALLY VALID DATA

REF. ELONGATION CHANGE AVG.

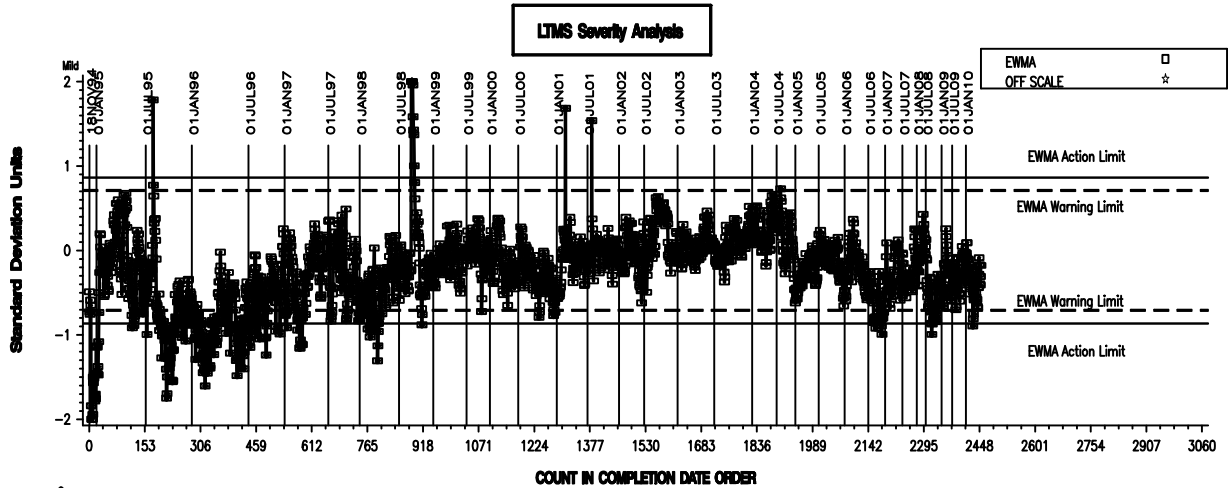


Severe

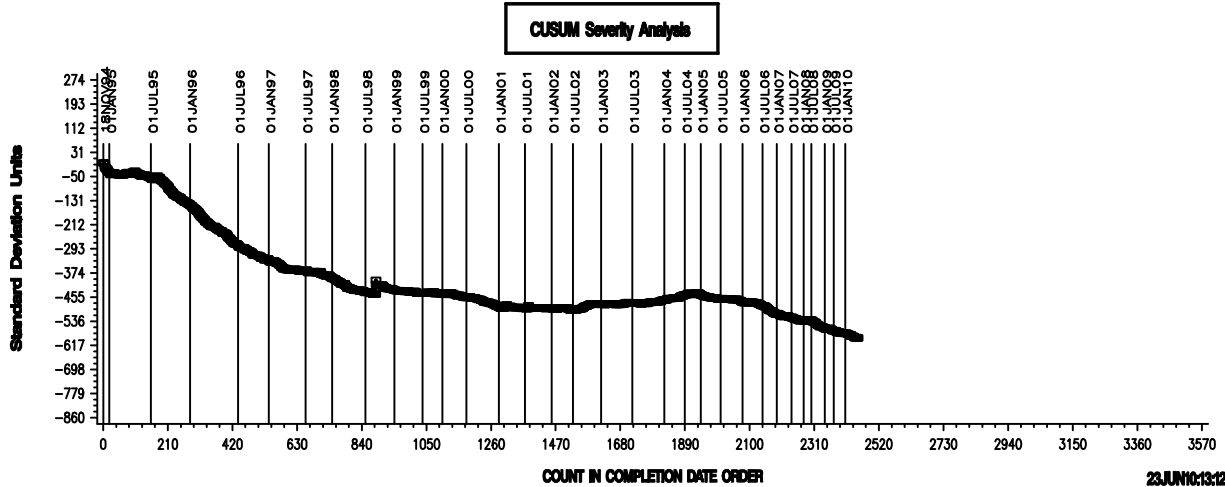
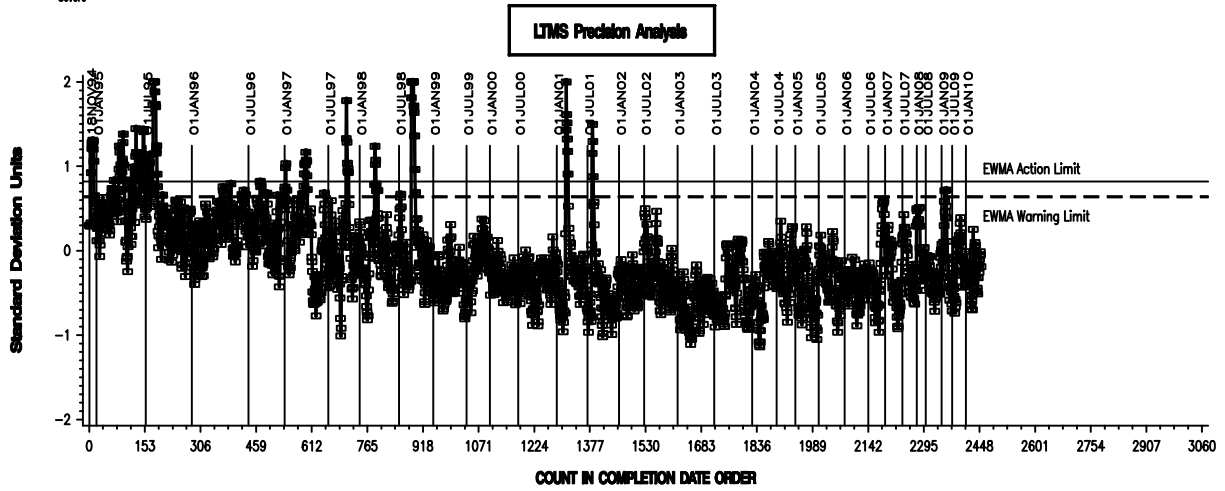


OSCT INDUSTRY OPERATIONALLY VALID DATA

REF. PERCENT VOLUME CHANGE AVG.

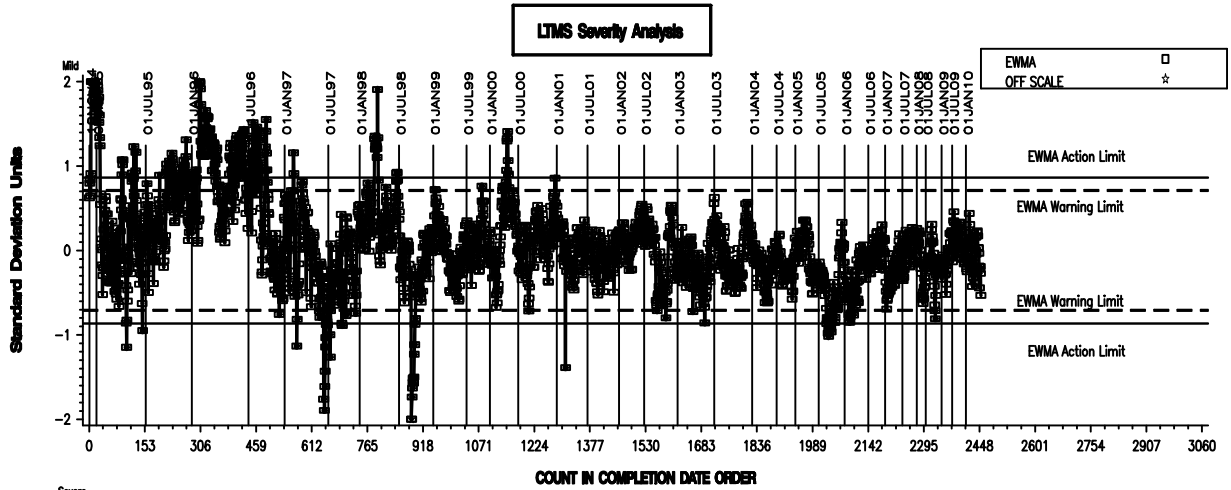


Severe

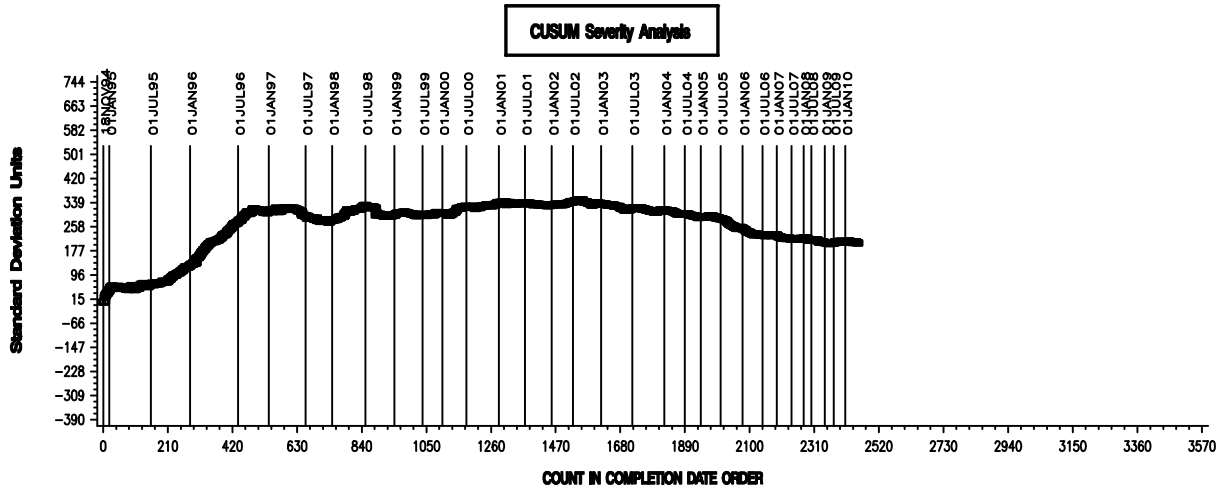
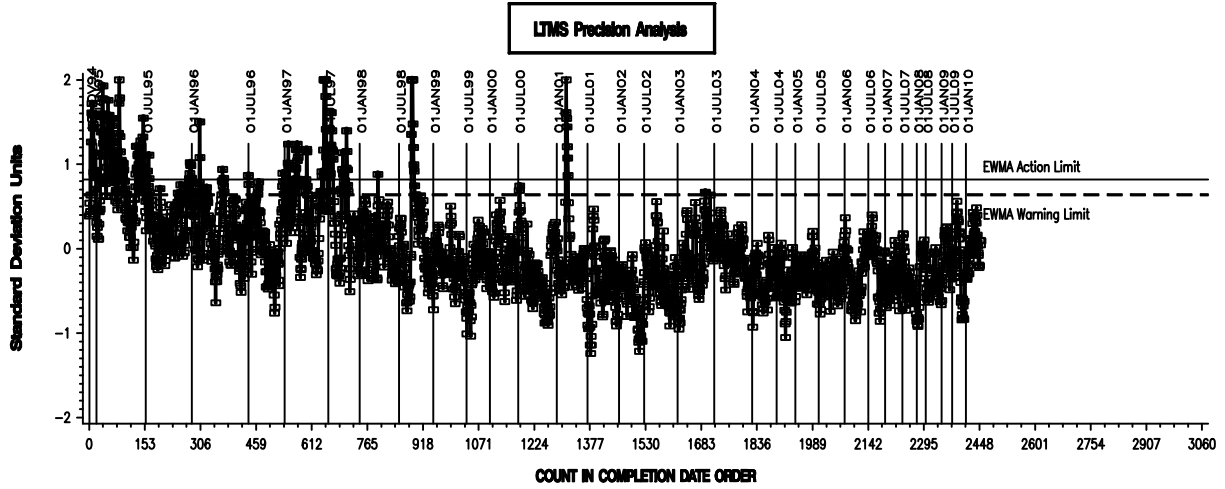


OSCT INDUSTRY OPERATIONALLY VALID DATA

REF. SHORE A HARDNESS CHANGE AVG.



Severe



TIMELINE OF SIGNIFICANT EVENTS IN THE HISTORY OF THE OSCT TEST:

Effective Date	Information Letter	Event
	98-3	Section 5.2.4 Editorial Correction
19970324	97-1	Elastomer requirements for testing a non-reference oil.
19970701	97-2	Specimen cleaning procedure
19971201	97-3	Data dictionary and report forms revision
19980122	98-2	Backlash Settings Clarification
19980504	98-1	Seal Elastomer Shelf Life
19980504	98-1	Revised Reference Oil and Non-reference Oil Requirements
19980504	98-1	Addition of Calibration Requirements for Hardness Durometer, Balance, and Tension Testing Machine
20040930		Implemented LTMS Reference Oil Targets
20050815	05-1	Updated Test Precision
20050815	05-1	Rounding Test Results Using ASTM E 29
20051102	05-2	Initial and Final Volume Measurements
20060327	06-1	Addition of a Calibration Procedure for the Tension Testing Machine
20060327	06-1	New Reference Oil Testing Section
20060327	06-1	Editorial Changes
20060331	06-2	Specimen Spacer Width Revision
20071001	07-1	Test Temperature Data Logging an Tolerance
20080114	07-2	Percent Deviation Calculation for Test Oil Temperature Data Logging
20081007		Extend Nitrile elastomer batch NI332 shelf life from 10/10/2008 to 12/31/2008
20081007	08-1	Clarification of allowable oil temperature variations
20081007	08-2	Allow elastomer shelf life to extend beyond two years
20090904	09-1	Revised Extensometer Calibration Procedure

TMC LAB VISITS:

No OSCT lab visits were conducted during this report period.

INFORMATION LETTERS:

No information letters were issued this period.

STATUS OF REFERENCE OIL SUPPLY:

At the end of this report period, the testing oil supply stood as outlined in the table below:

Oil	Cans @ Labs	@ TMC	
		Cans	Gallons
160-1	18	500	99.1
161-1	21	47	9.4
161-2	0	1387	275.0
168	22	156	31.1
Total	61	2090	414.6

SDP/sdp/astm0410.doc/mem10-034.sdp.doc

c: Frank Farber

Jeff Clark

Don Lind

Mike Kasimirsky

HTCT Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/gears/osct/semiannualreports/osct-04-2010.pdf>

Distribution: email