




Test Monitoring Center

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

MEMORANDUM: 14-005
DATE: April 30, 2014
TO: Angela Trader, Chairman, L-33-1 Surveillance Panel
FROM: Scott Parke 
SUBJECT: L-33-1 Testing from October 1, 2013 through March 31, 2014

Please find attached a summary of testing activity this period.

SDP/sdp/mem14-005.sdp.doc

cc: Frank Farber

Jeff Clark

L-33-1 Surveillance Panel

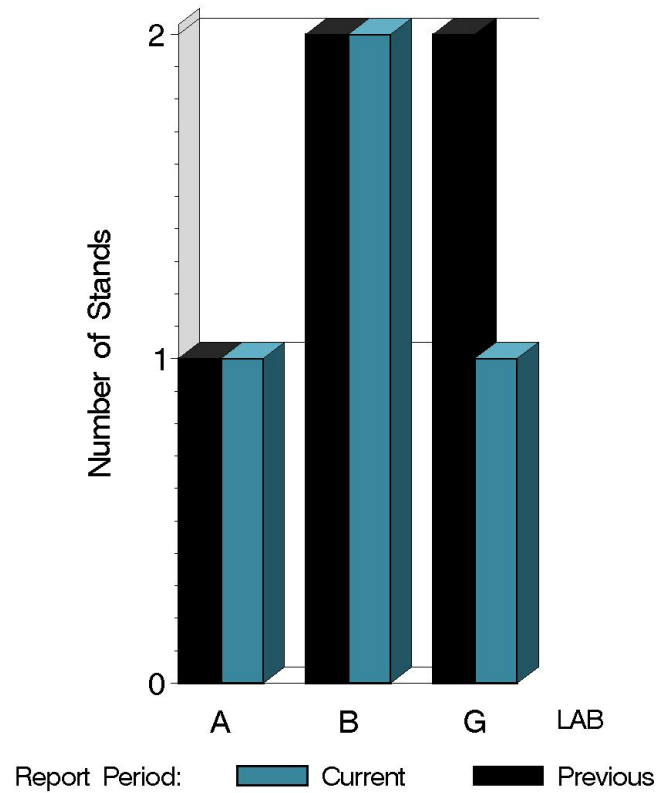
<ftp://ftp.astmtmc.cmu.edu/docs/gear/l331/semiannualreports/l331-04-2014.pdf>

Distribution: email

L-33-1 (D7038)

	Reporting Data	Calibrated on 3-31-14
Number of Labs	3	3
Number of Stands	4	4

BY-LAB STAND
DISTRIBUTION



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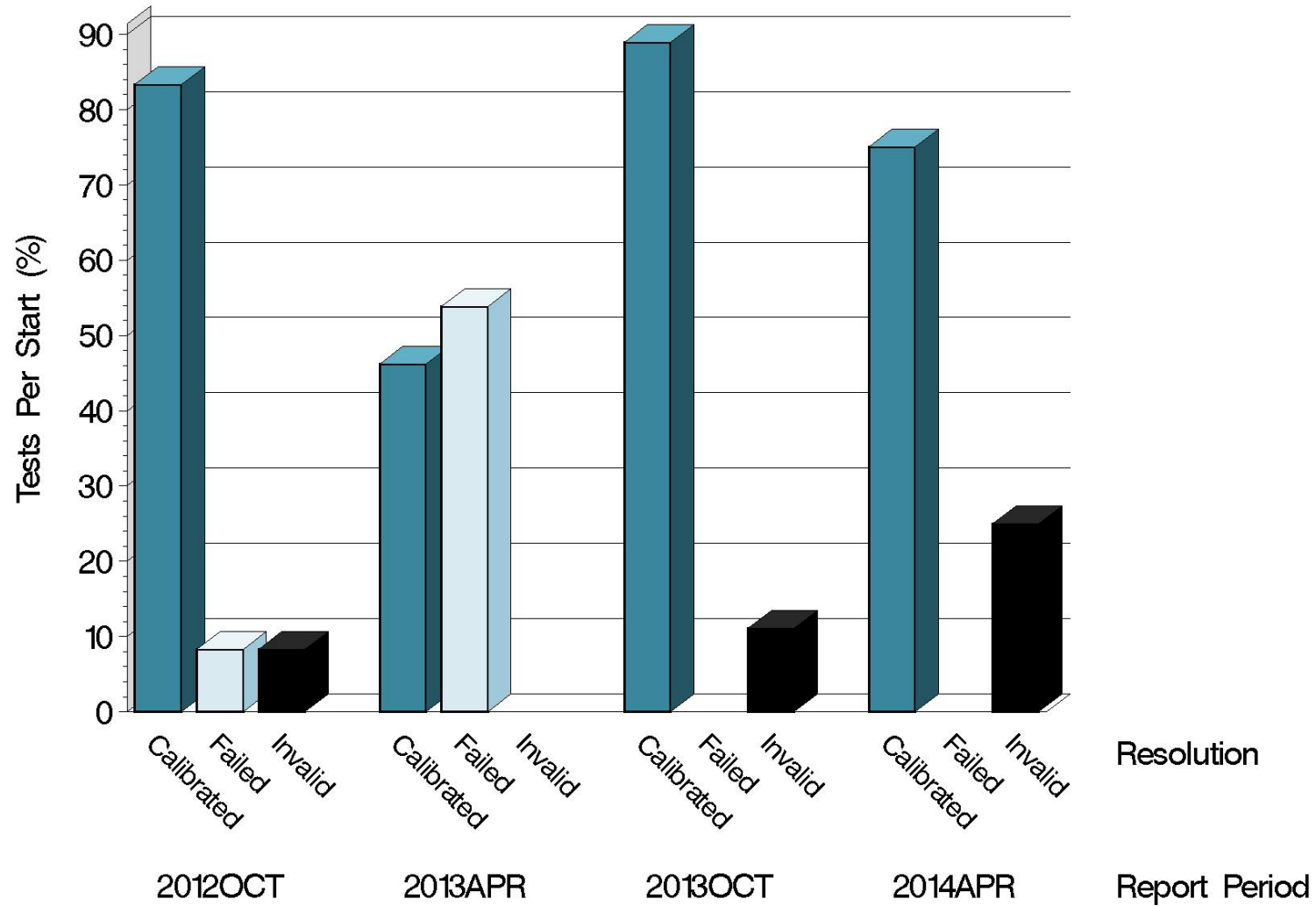
L-33-1 (D7038)

Test Distribution by Oil and Validity

					Totals	
					Last Period	This Period
		123-2	155	155-1		
Accepted for calibration	AC	2	0	4	8	6
Rejected (Mild)	OC	0	0	0	0	0
Rejected (Severe)	OC	0	0	0	0	0
Rejected (Precision)	OC	0	0	0	0	0
Invalidated calibration	LC	0	0	0	1	0
Aborted	XC	1	0	1	0	2
Accepted information run	NI	0	0	0	0	0
Total		3	0	5	9	8

L-33-1 (D7038)

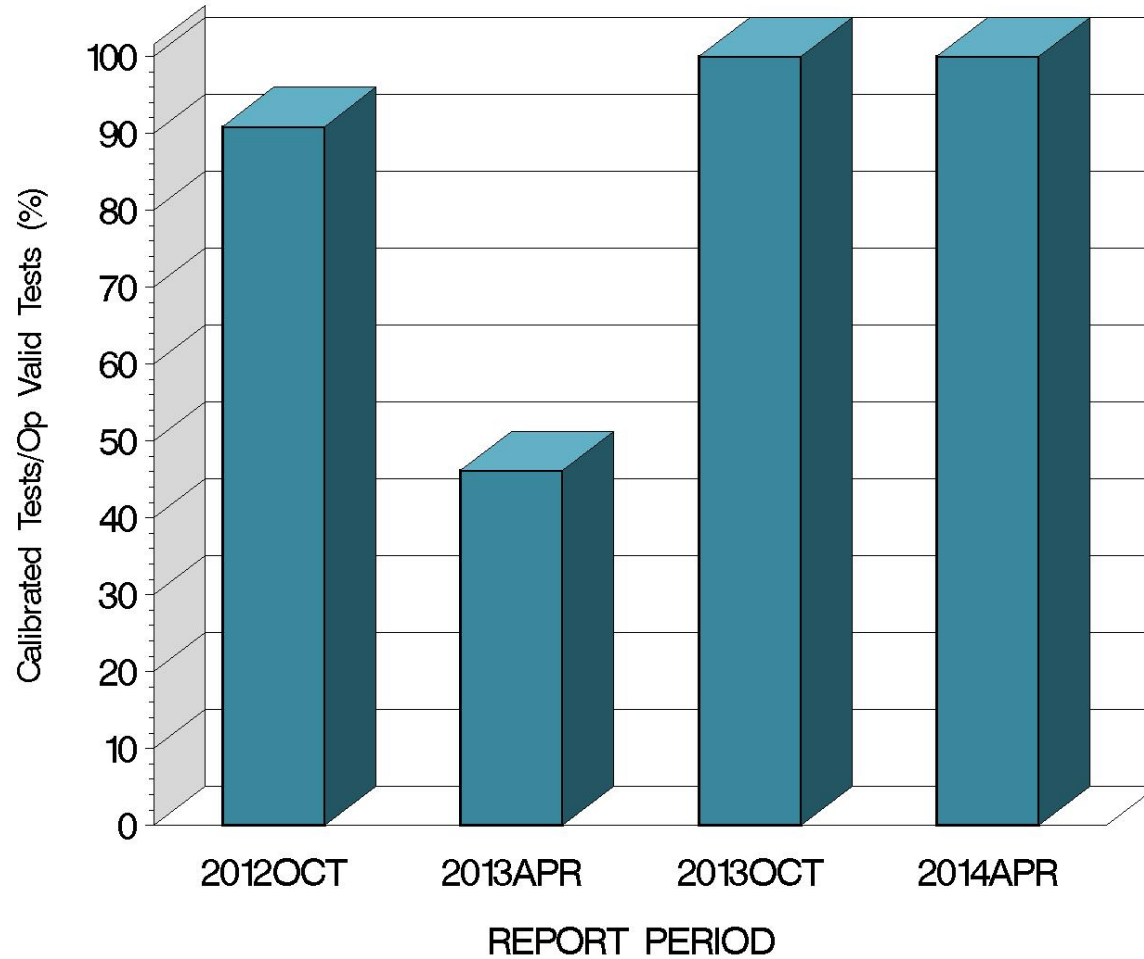
CALIBRATION ATTEMPT SUMMARY



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L-33-1 (D7038)

OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA



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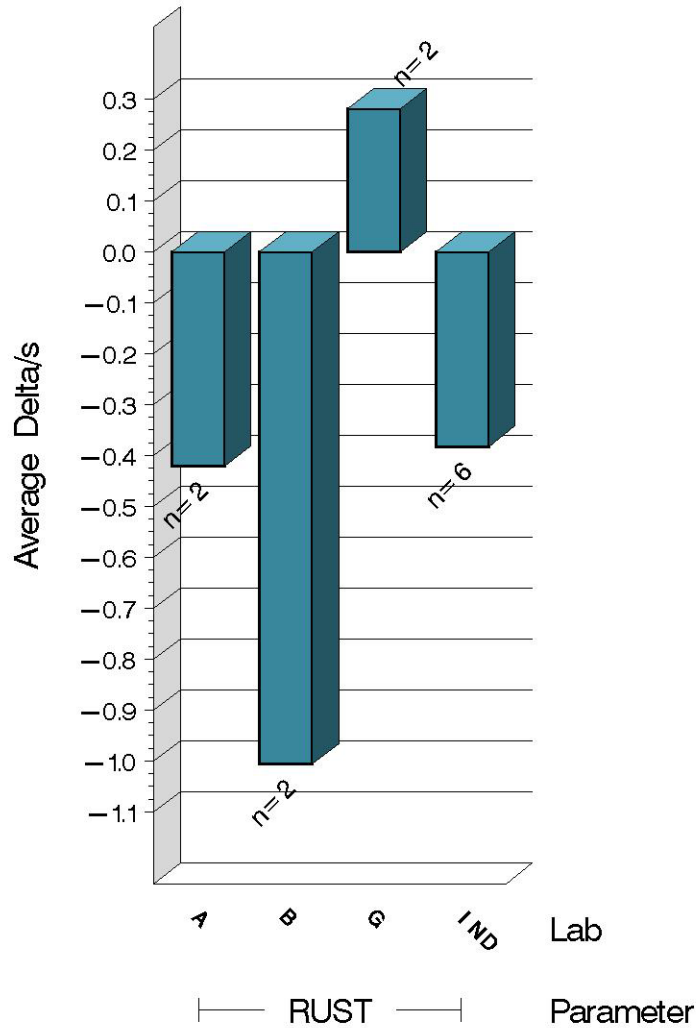
CAUSES FOR LOST TESTS

		Oil			Validity			Loss Rate		
Lab	Cause	123-2	155	155-1	RC	LC	XC	Lost	Starts	%
G	Computer failure.	●					●	2	4	50%
	Axle leak at water fill port.			●			●			
	Lost	1	0	1	0	0	2			
	Starts	3	0	5	8	8	8			
	%	33%	0%	20%	0%	0%	25%			

L-33-1 (D7038)

TEST SEVERITY

DELTA/S BY LAB

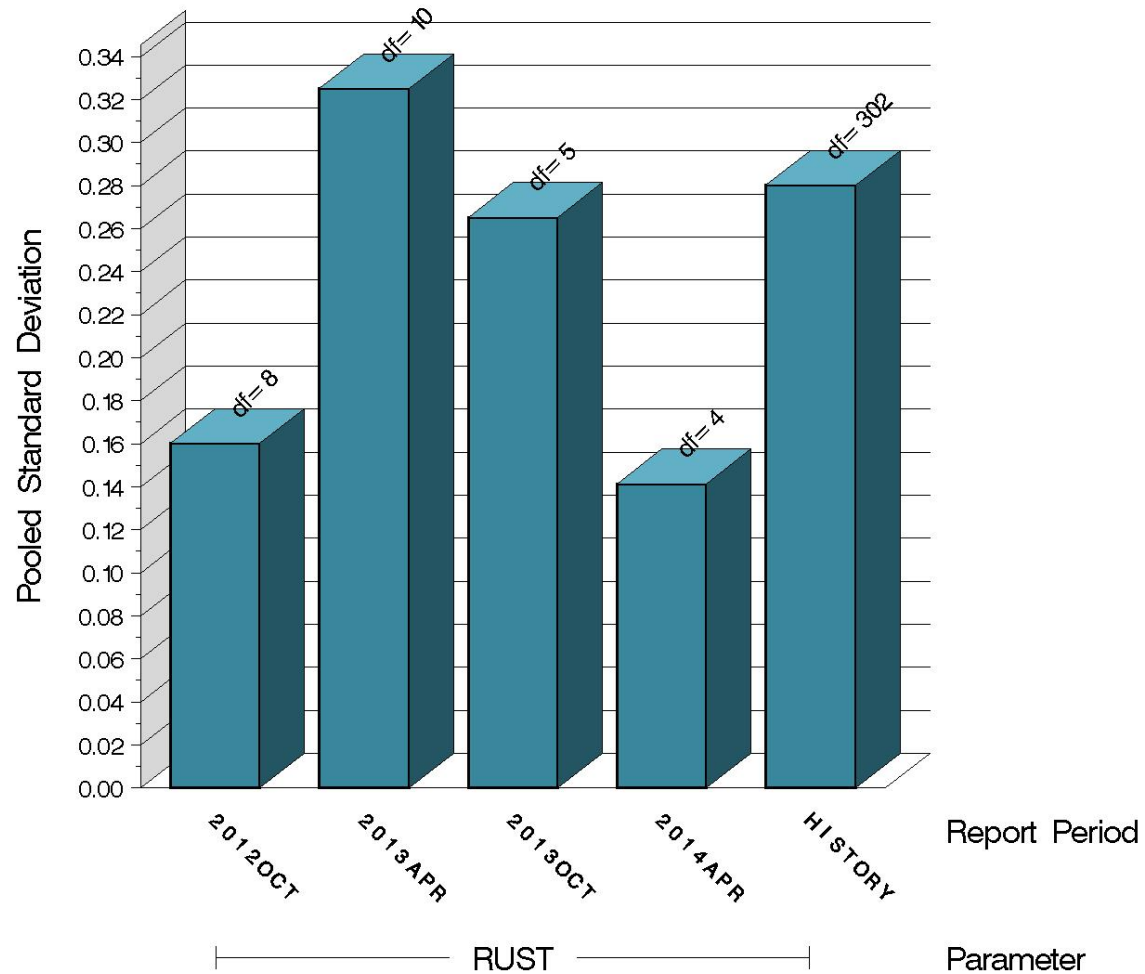


Average Δ/s by Lab		
Lab	n	RUST
A	2	-0.422
B	2	-1.006
G	2	0.280
Industry	6	-0.383
Shift	6	-0.096

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TEST PRECISION

POOLED STANDARD DEVIATION
BY SIX-MONTH ASTM REPORT PERIOD



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L-33-1 (D7038)

SUMMARY OF SEVERITY & PRECISION

Severity

Average RUST Δ/s this period was -0.383. Using the target standard deviation for oil 155, this equates to -0.096 merits severe.

Precision

RUST precision for the period remained within control chart limits.

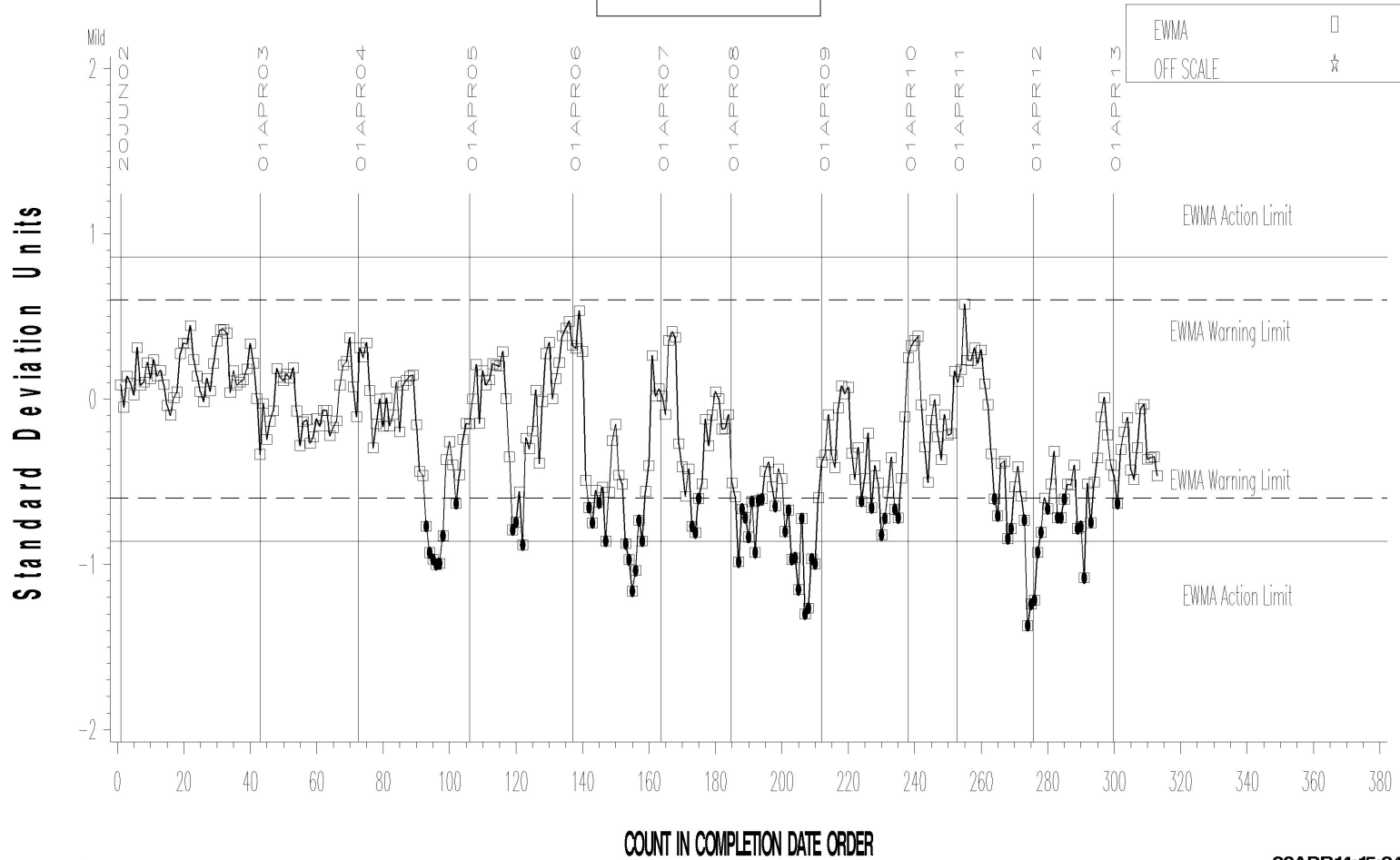
Industry control charts follow.

L-33-1 (D7038)

L-33-1 INDUSTRY OPERATIONALLY VALID DATA

FINAL RUST RESULT

LTMS Severity Analysis



Severe

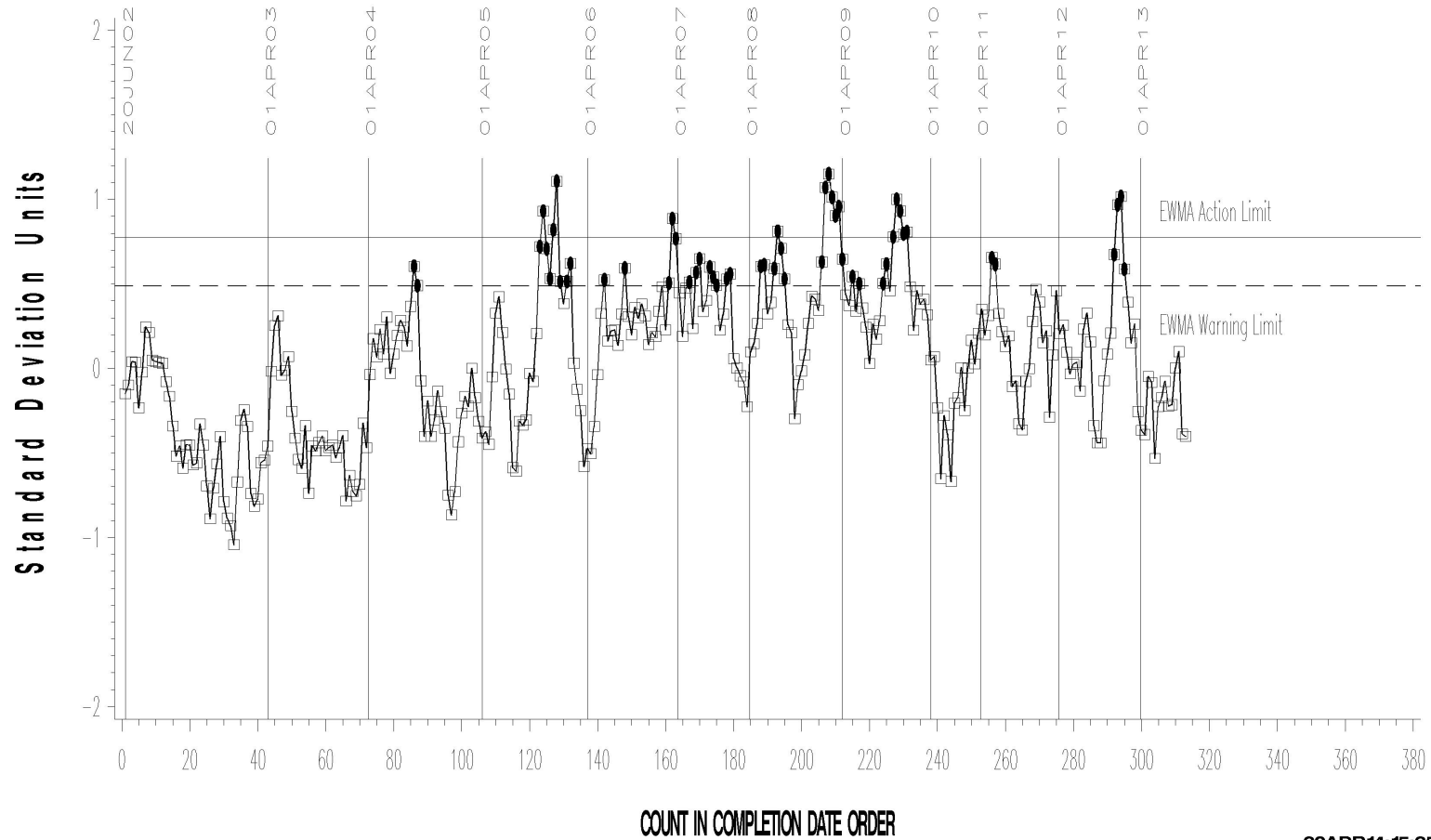
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L-33-1 (D7038)

L-33-1 INDUSTRY OPERATIONALLY VALID DATA

FINAL RUST RESULT

LTMS Precision Analysis



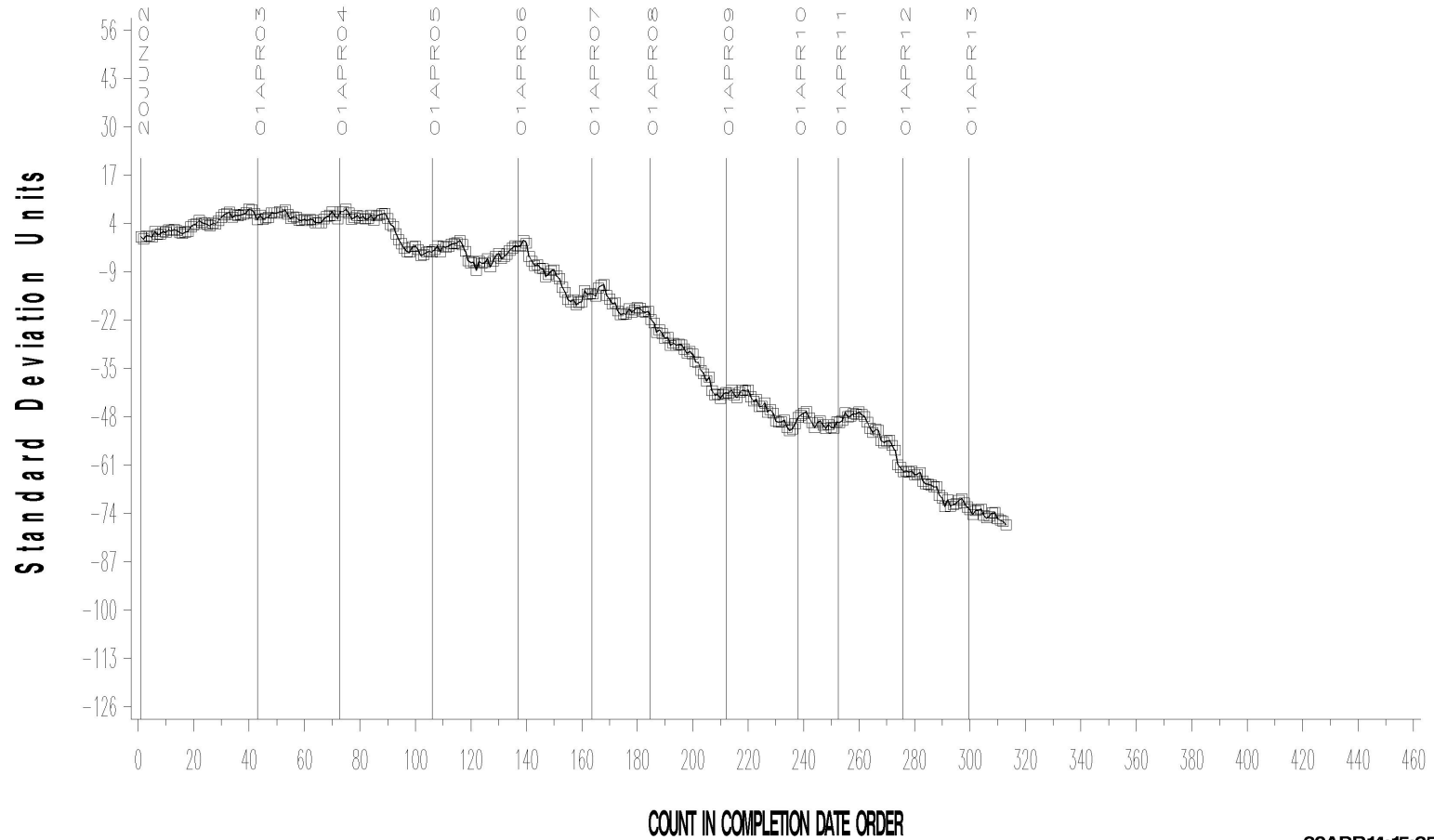
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L-33-1 (D7038)

L-33-1 INDUSTRY OPERATIONALLY VALID DATA

FINAL RUST RESULT

CUSUM Severity Analysis



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L-33-1 (D7038)

TIMELINE ADDITIONS

Effective Date	Information Letter	Event
20140304	14-1	Abrasive blast media supplier name change.

L-33-1 (D7038)

LAB VISITS

One L-33-1 lab visit was conducted during this period. No procedural nonconformances were found.

INFORMATION LETTERS

Information letter 14-1 was issued this period to revise the abrasive blast media supplier's company name.

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STATUS OF REFERENCE OIL SUPPLY

Oil	Cans @ Labs	@ TMC	
		Cans	Gallons
123-2	9	156	156.8
155	0	23	23.4
155-1	11	374	374.8
Total	20	553	554.9

The TMC quantity remaining presumes usage only for L-33-1 testing. Oil 155/155-1 is also used in other test areas (L-37, L-37-1, and HTCT).