



Test Monitoring Center

203 Armstrong Drive, Freeport, PA 16229, USA

www.astmtmc.org
412-365-1000

MEMORANDUM: 21-034
DATE: October 19, 2021
TO: Anthony Lange, Chairman, L-33-1 Surveillance Panel
FROM: Dylan Beck *Dylan Beck*
SUBJECT: L-33-1 Testing from April 1, 2021 through September 30, 2021

Attached is a summary of testing activity this period.

DJB/djb/mem21-034.djb.doc

cc: Frank Farber

Jeff Clark

L-33-1 Surveillance Panel

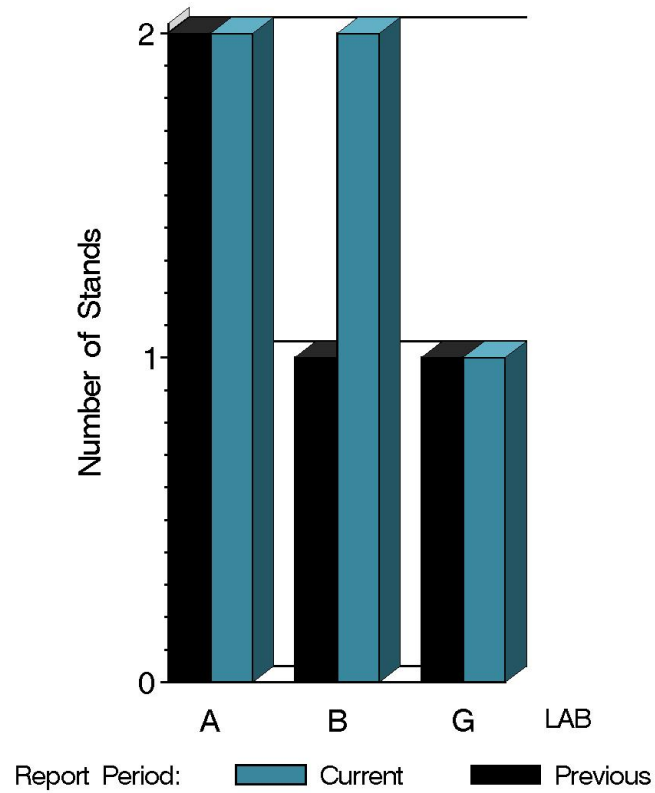
<https://www.astmtmc.org/ftp/docs/gear/1331/semiannualreports/L331-10-2021.pdf>

Distribution: email

L-33-1 (D7038)

	Reporting Data	Calibrated on 09-30-21
Number of Labs	3	3
Number of Stands	5	5

BY-LAB STAND
DISTRIBUTION



15:39:00 14OCT2021



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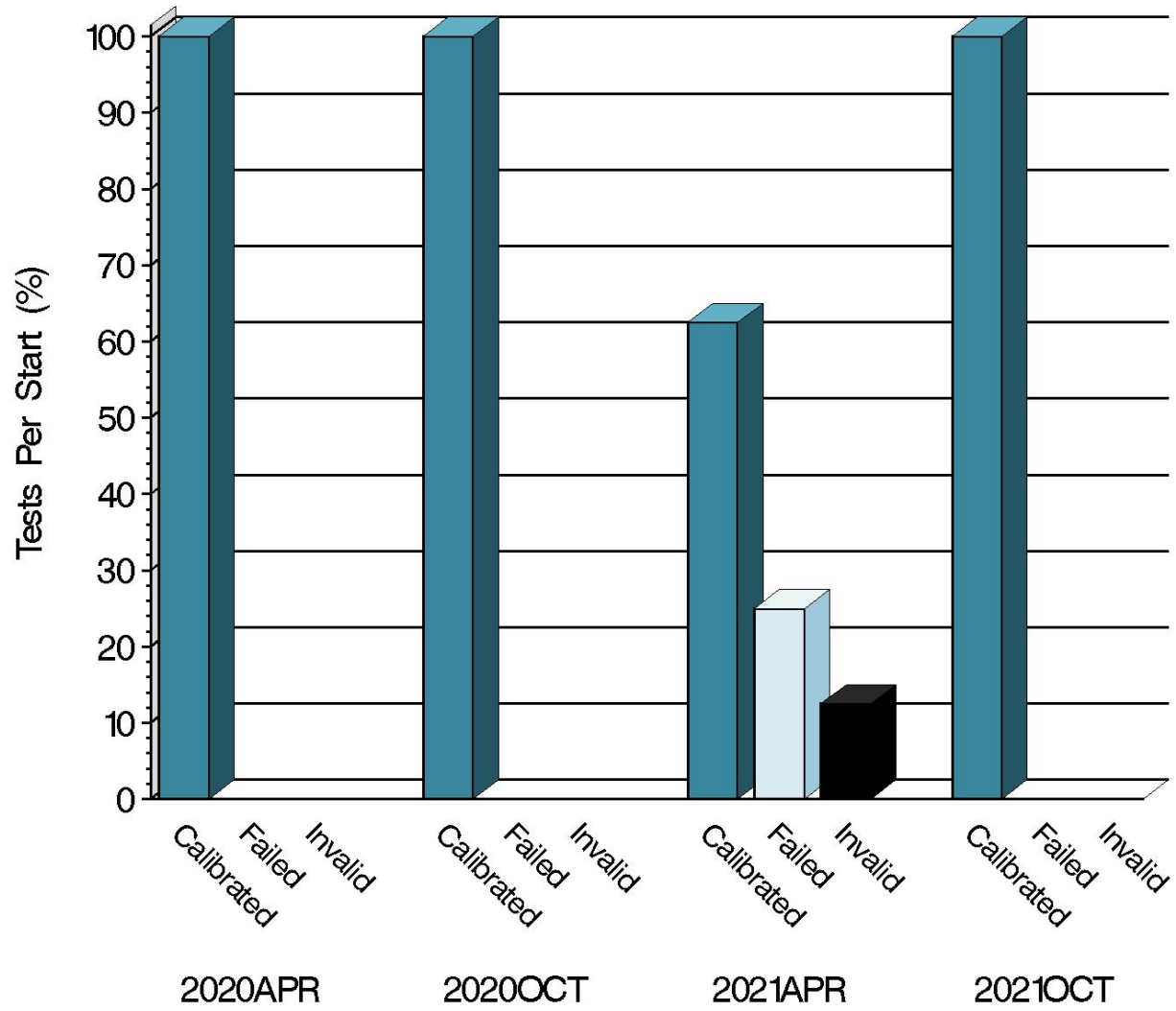
L-33-1 (D7038)

Test Distribution by Oil and Validity

					Totals	
					Last Period	This Period
		123-2	155-1	155-2		
Accepted for calibration	AC	3	3	0	5	6
Rejected (Mild)	OC	0	0	0	1	0
Rejected (Severe)	OC	0	0	0	1	0
Rejected (Precision)	OC	0	0	0	0	0
Invalidated calibration	LC	0	0	0	1	0
Aborted	XC	0	0	0	0	0
Unacceptable info run	MI	0	0	0	0	0
Accepted information run	NI	0	0	0	4	0
Total		3	3	0	12	6

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CALIBRATION ATTEMPT SUMMARY



Resolution

Report Period

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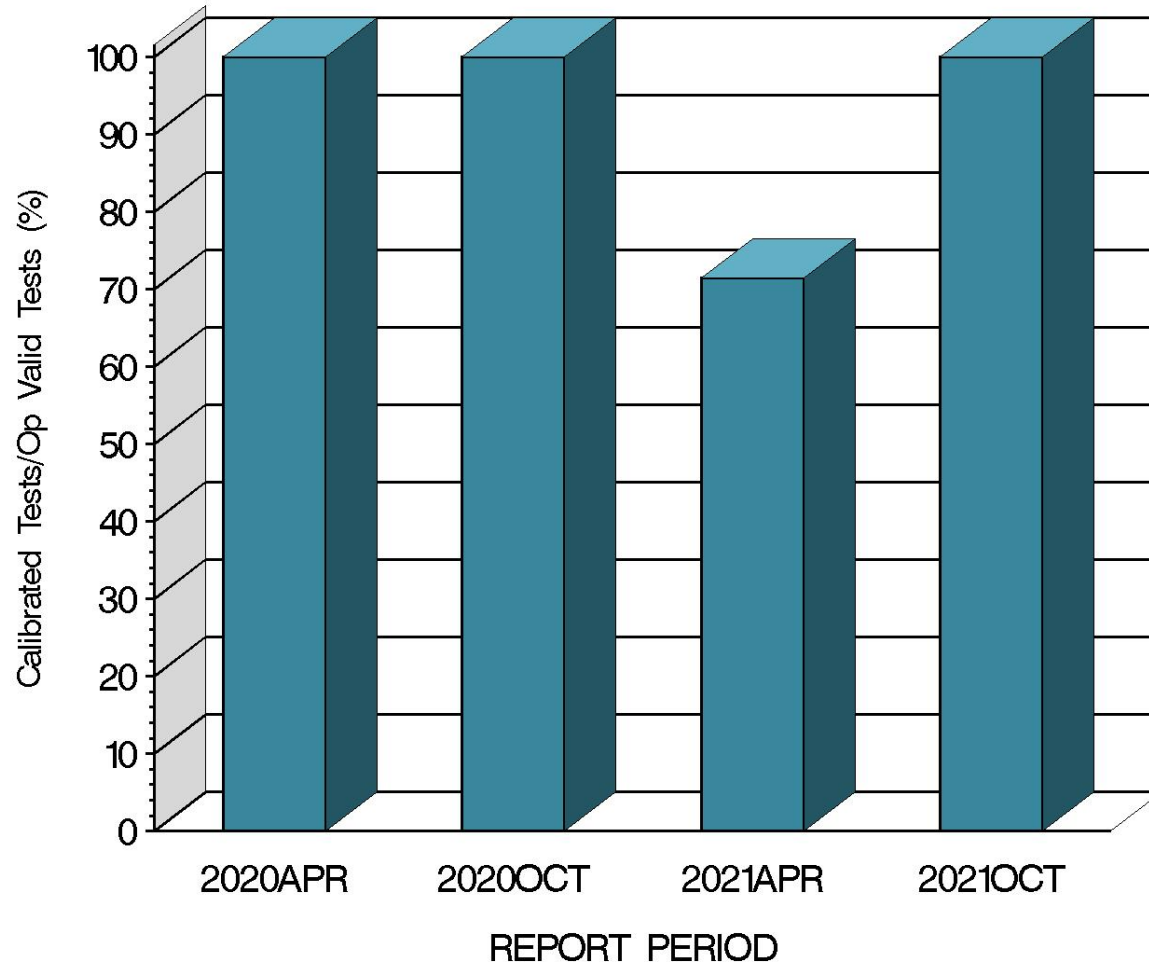
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OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA



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CAUSES FOR LOST TESTS

Lab	Cause	Oil			Validity			Loss Rate		
		123-2	155-1	155-2	RC	LC	XC	Lost	Starts	%
	No lost tests during this period							0	6	0%
	Lost	0	0	0	0	0	0			
	Starts	3	3	0	6	6	6			
	%	0%	0%	0%	0%	0%	0%			



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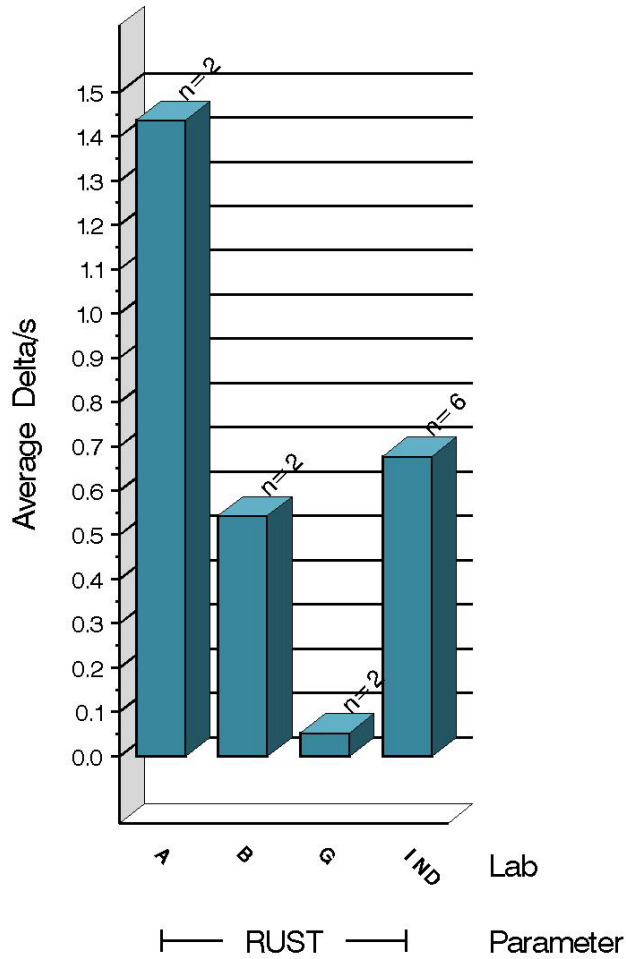
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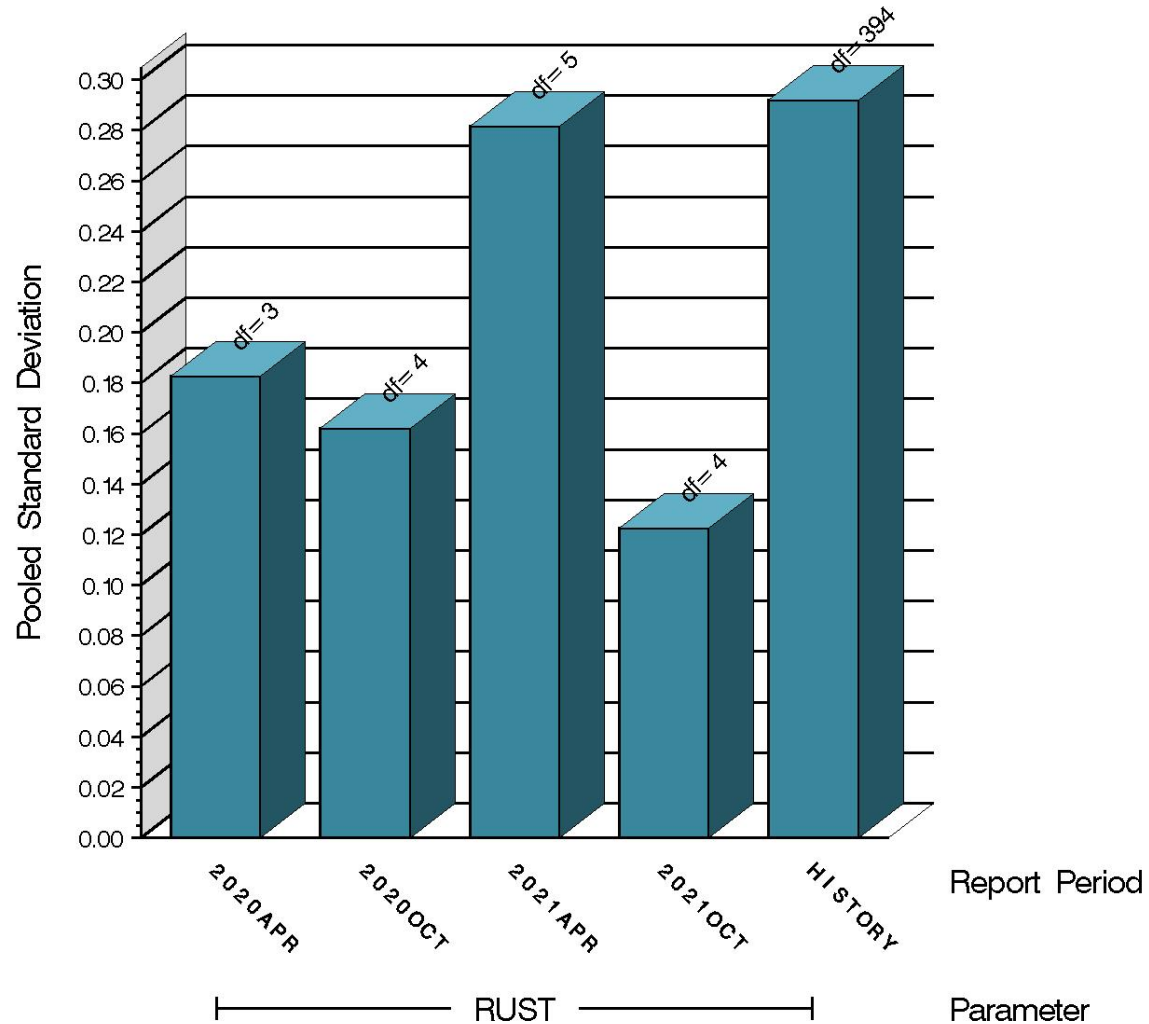
TEST SEVERITY
DELTA/S BY LAB



Average Δ/s by Lab			
Lab	N	RUST	Trend
A	2	1.437	Mild
B	2	0.543	On Target
G	2	0.053	On Target
Industry	6	0.678	On Target
Shift	6	0.169 merits	

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TEST PRECISION
POOLED STANDARD DEVIATION
BY SIX-MONTH ASTM REPORT PERIOD



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SUMMARY OF SEVERITY & PRECISION

Severity

The severity action limit was not exceeded during this period. However, the warning is current being exceeded.

Precision

The precision action limit was not exceeded during this period.

Industry control charts follow.



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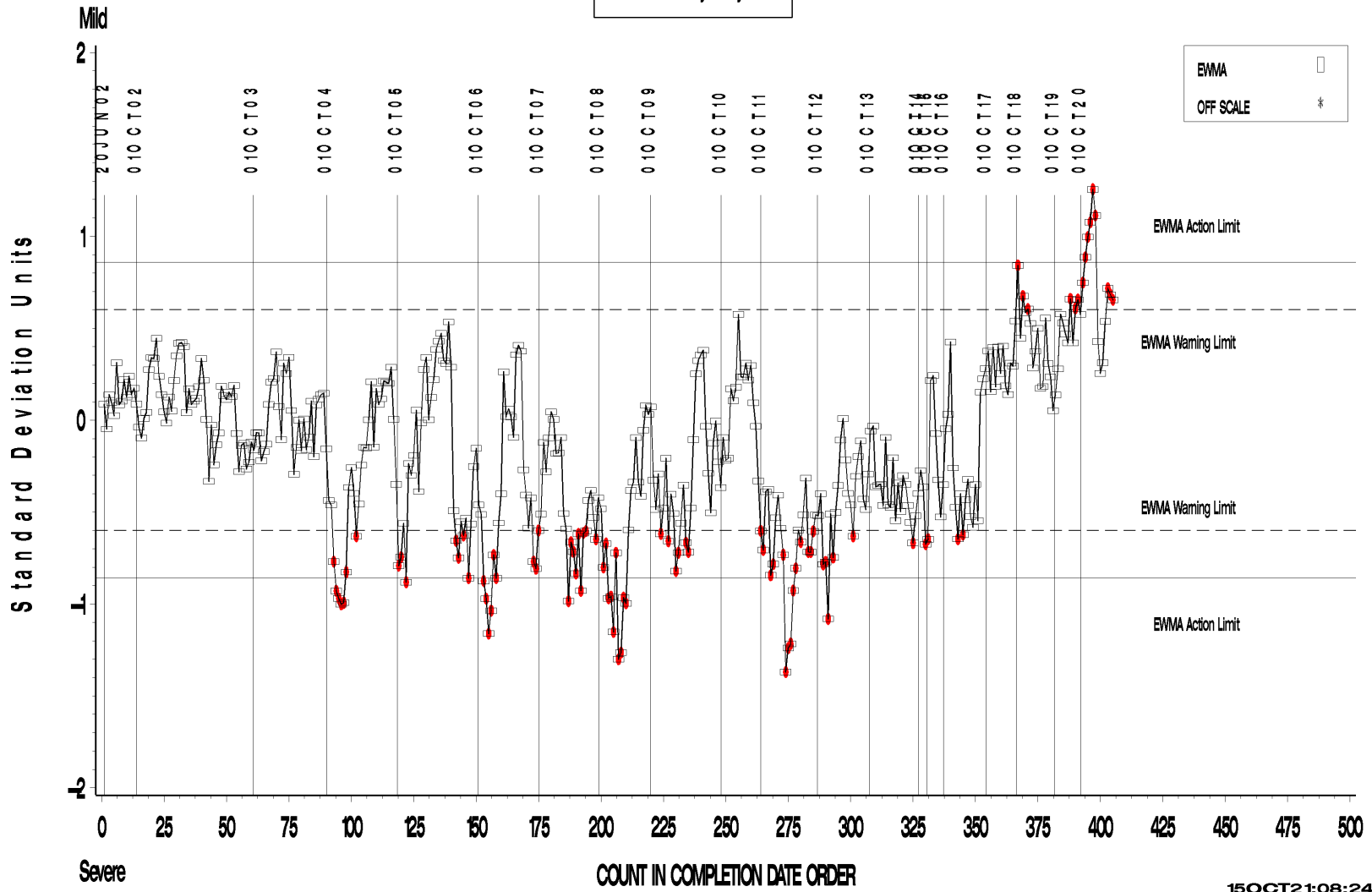
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L-33-1 INDUSTRY OPERATIONALLY VALID DATA

FINAL RUST RESULT

LTMS Severity Analysis



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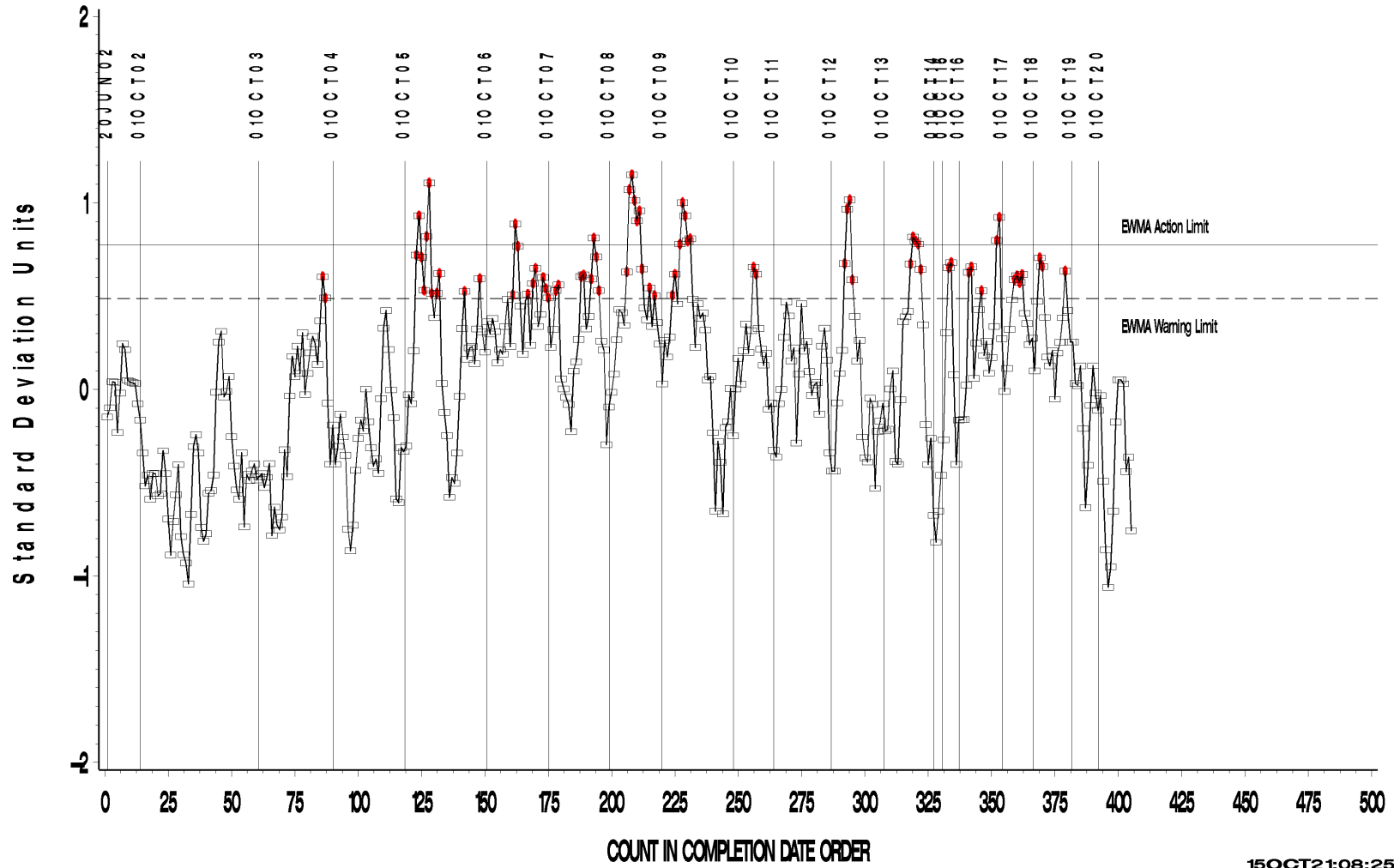
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L-33-1 (D7038)

L-33-1 INDUSTRY OPERATIONALLY VALID DATA

FINAL RUST RESULT

LTMS Precision Analysis



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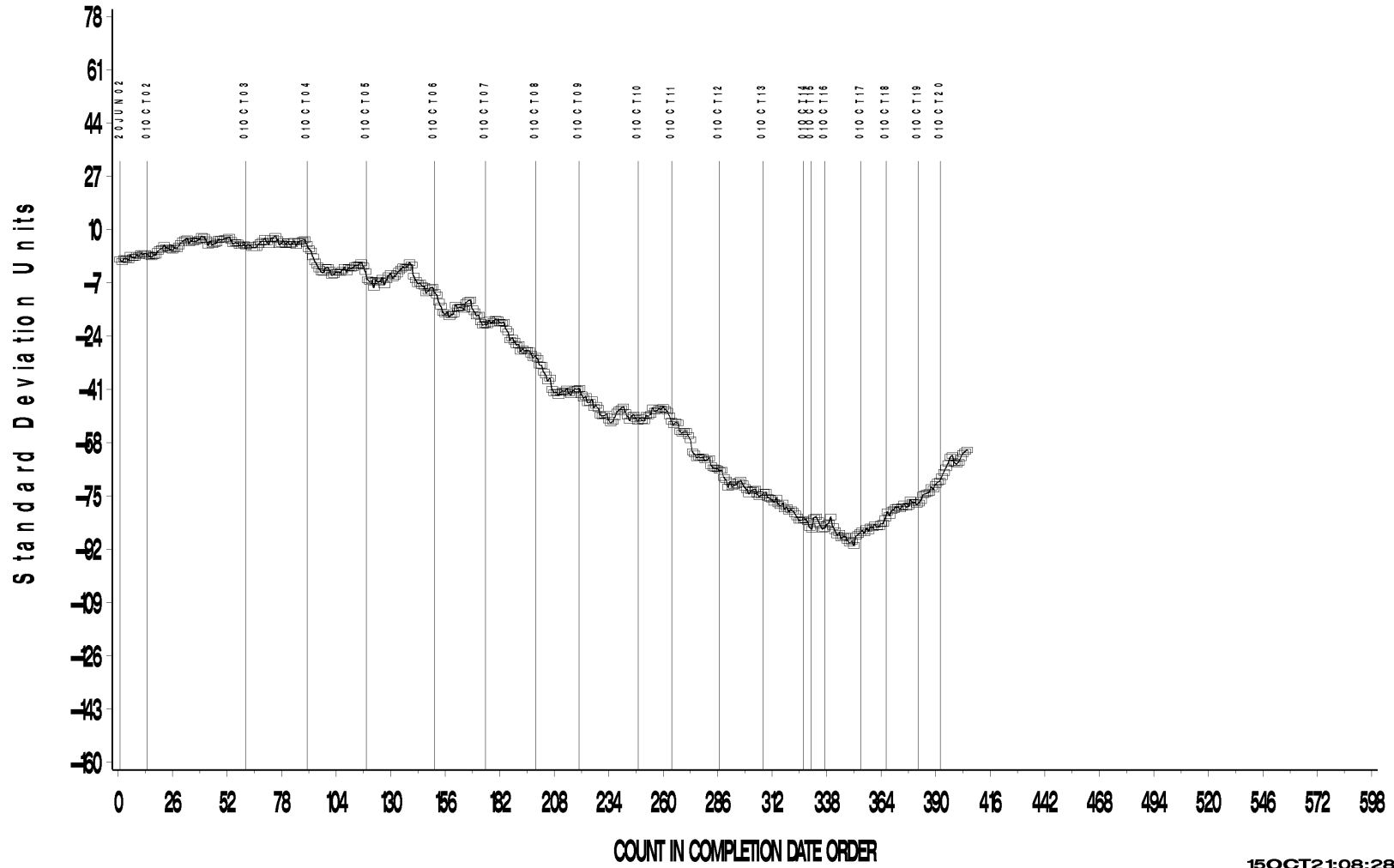
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L-33-1 (D7038)

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
		No timeline additions during this period

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LAB VISITS

No lab visits were conducted during this reporting period.

INFORMATION LETTERS

No information letters were issued during this period.



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STATUS OF REFERENCE OIL SUPPLY

Oil	Cans @ Labs	@ TMC	
		Cans	Gallons
123-2	17	75	75.0
155-1	20	32	32.8
155-2	6	257	257.3
Total	43	364	365.0

The TMC quantity remaining presumes usage only for L-33-1 testing. Oil 155-1/155-2 is also used in other test areas (L-37, L-37-1, L-60-1, and HTCT). 155-2 is a replacement oil for 155-1 that was approved by the surveillance panel for L-33-1 test use on August 25th, 2021.



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