

Test Monitoring Center

@ Carnegie Mellon University 6555 Penn Avenue, Pittsburgh, PA 15206, USA http://astmtmc.cmu.edu 412-365-1000

MEMORANDUM: 14-023

DATE: October 13, 2014

TO: Angela Trader, Chairman, L-33-1 Surveillance Panel

FROM: Scott Parke

SUBJECT: L-33-1 Testing from April 1, 2014 through September 30, 2014

Please find attached a summary of testing activity this period.

SDP/sdp/mem14-023.sdp.doc

cc: Frank Farber Jeff Clark

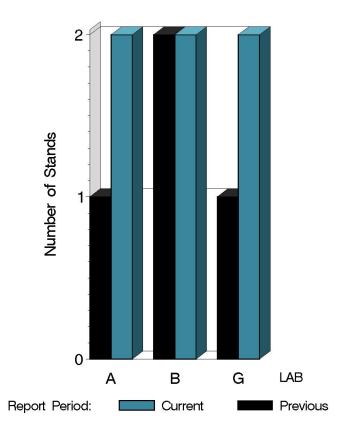
L-33-1 Surveillance Panel

ftp://ftp.astmtmc.cmu.edu/docs/gear/l331/semiannualreports/l331-10-2014.pdf

Distribution: email

	Reporting Data	Calibrated on 9-30-14
Number of Labs	3	3
Number of Stands	6	6

BY-LAB STAND DISTRIBUTION



10:20:28 10OCT2014



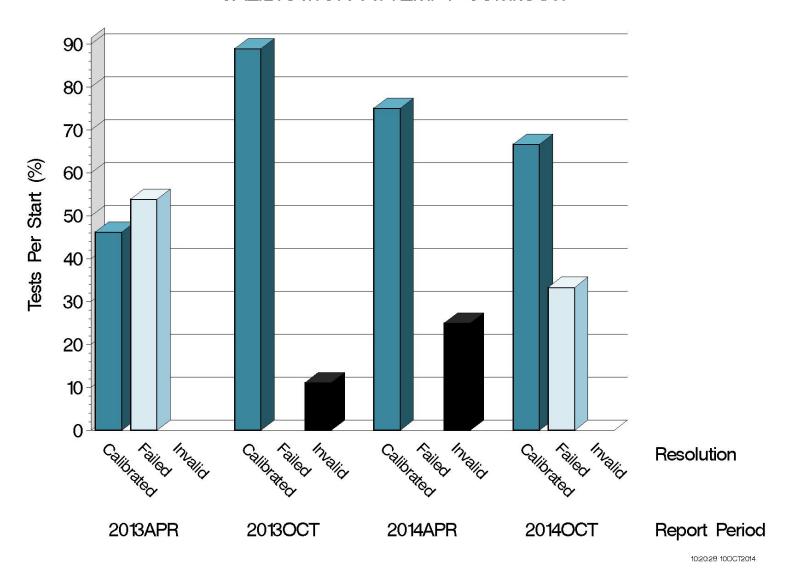


Test Distribution by Oil and Validity

						Totals	
		123-2	155	155-1	Last Period	This Period	
Accepted for calibration	AC	4	0	4	6	8	
Rejected (Mild)	OC	0	0	0	0	0	
Rejected (Severe)	OC	0	0	2	0	2	
Rejected (Precision)	OC	1	0	1	0	2	
Invalidated calibration	LC	0	0	0	0	0	
Aborted	XC	0	0	0	2	0	
Accepted information run	NI	2	0	2	0	4	
Total		7	0	9	8	16	



CALIBRATION ATTEMPT SUMMARY

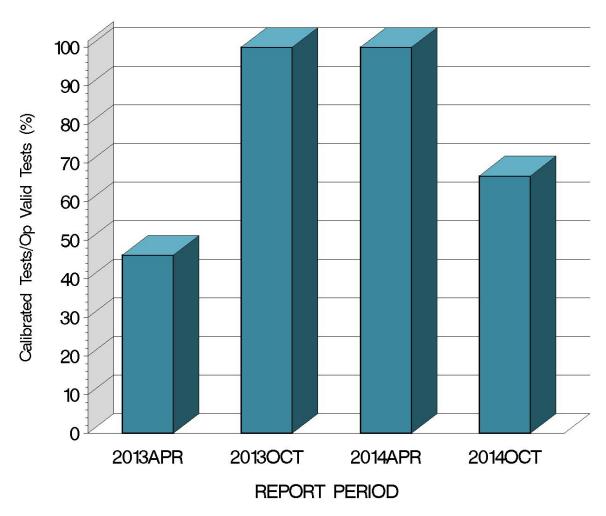


Test Monitoring Center

http://astmtmc.cmu.edu



OPERATIONALLY VALID TESTS MEETING ACCEPTANCE CRITERIA



10:20:28 10OCT2014





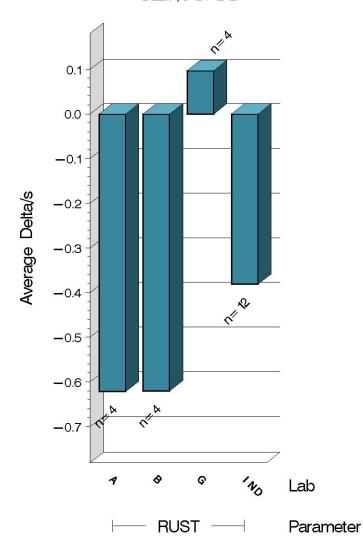
CAUSES FOR LOST TESTS

			Oil			Validity			Loss Rate		
Lab	Cause		123-2	155	155-1	RC	LC	XC	Lost	Starts	%
	No tests were period.	lost this							0	16	0%
		Lost	0	0	0	0	0	0			
		Starts	7	0	9	16	16	16			
		%	0%	0%	0%	0%	0%	0%			



TEST SEVERITY

DELTA/S BY LAB

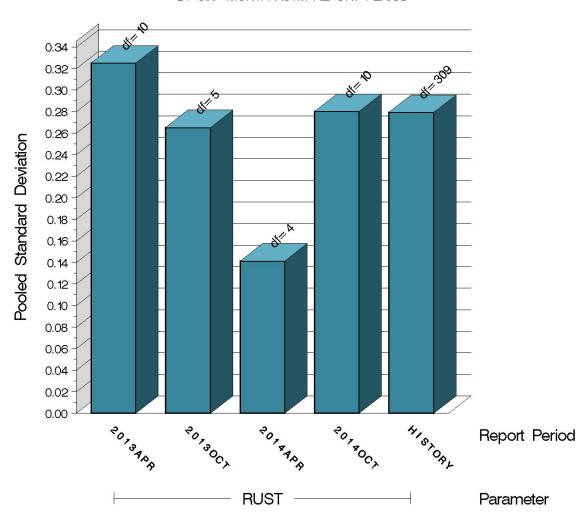


Average ∆/s by Lab				
Lab	n	RUST		
А	4	-0.622		
В	4	-0.620		
G	4	0.097		
Industry	12	-0.382		
Shift	12	-0.095		



TEST PRECISION

POOLED STANDARD DEVIATION
BY SIX-MONTH ASTM REPORT PERIOD



10:20:28 10OCT2014





SUMMARY OF SEVERITY & PRECISION

Severity

Average RUST Δ /s this period was -0.382. Using the target standard deviation for oil 155, this equates to -0.095 merits severe. This performance is nearly identical to last report period.

Precision

Two tests (from different labs) generated stand Shewhart precision alarms this period and resulted in RUST precision exceeding control chart limits for a time. Precision has since returned to within-limits performance.

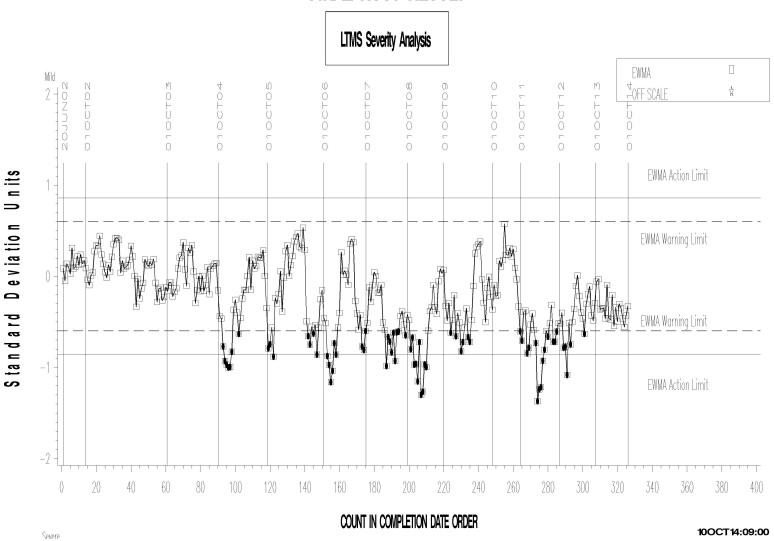
Industry control charts follow.





L-33-1 INDUSTRY OPERATIONALLY VALID DATA

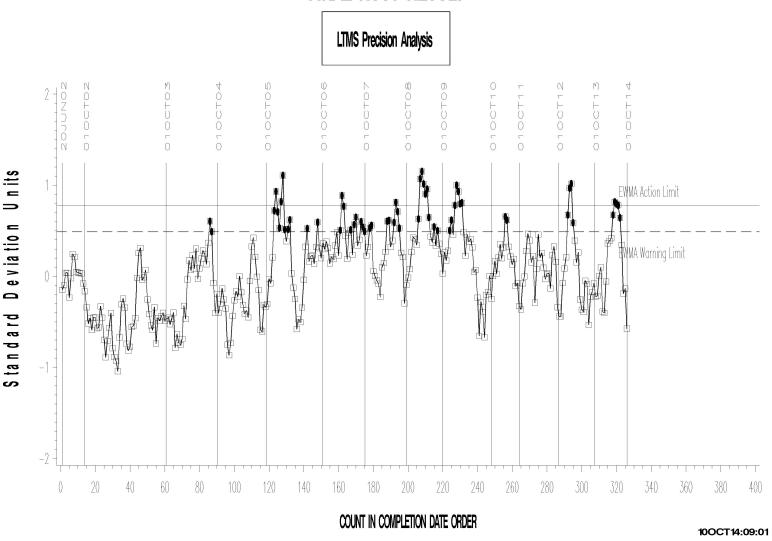
FINAL RUST RESULT





L-33-1 INDUSTRY OPERATIONALLY VALID DATA

FINAL RUST RESULT

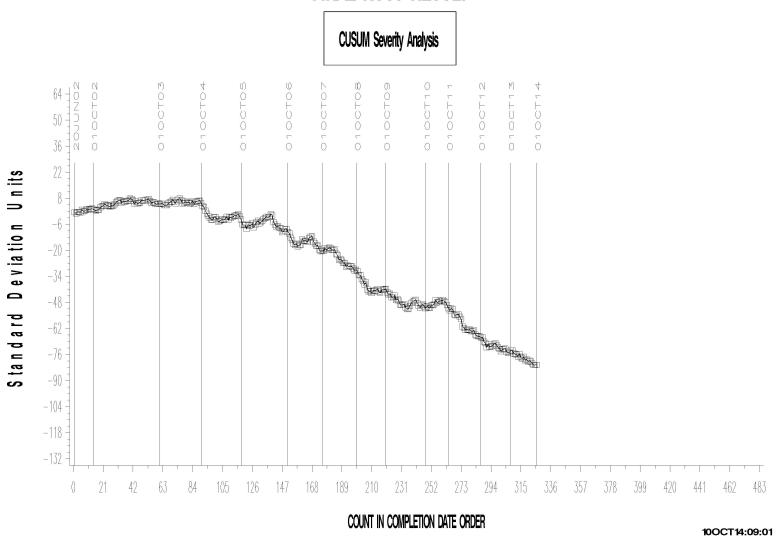






L-33-1 INDUSTRY OPERATIONALLY VALID DATA

FINAL RUST RESULT



Test Monitoring Center

http://astmtmc.cmu.edu



TIMELINE ADDITIONS

Effective Date	Information Letter	Event
20140912	14-2	Standardized wording describing the role of the TMC.



LAB VISITS

Two L-33-1 lab visits were conducted during this period. No procedural nonconformances were found.

INFORMATION LETTERS

Information letter 14-2 was issued this period to incorporate standardized wording describing the role of the TMC.





STATUS OF REFERENCE OIL SUPPLY

		@ TMC		
Oil	Cans @ Labs	Cans	Gallons	
123-2	7	151	151.8	
155	0	21	21.0	
155-1	11	321	321.0	
Total	18	493	493.8	

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, L-60-1, and HTCT).

