

Test Monitoring Center

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

MEMORANDUM: 13-021

DATE: April 18, 2013

TO: Dale Smith, Chairman, L-33-1 Surveillance Panel

FROM: Scott Parke

SUBJECT: L-33-1 Testing from October 1, 2012 through March 31, 2013

Please find attached a summary of testing activity this period.

SDP/sdp/mem13-021.sdp.doc

cc: Frank Farber Jeff Clark

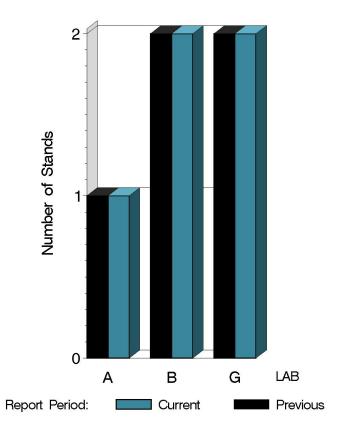
L-33-1 Surveillance Panel

ftp://ftp.astmtmc.cmu.edu/docs/gear/l331/semiannualreports/l331-04-2013.pdf

Distribution: email

	Reporting Data	Calibrated on 3-31-13
Number of Labs	3	3
Number of Stands	5	4

BY-LAB STAND DISTRIBUTION





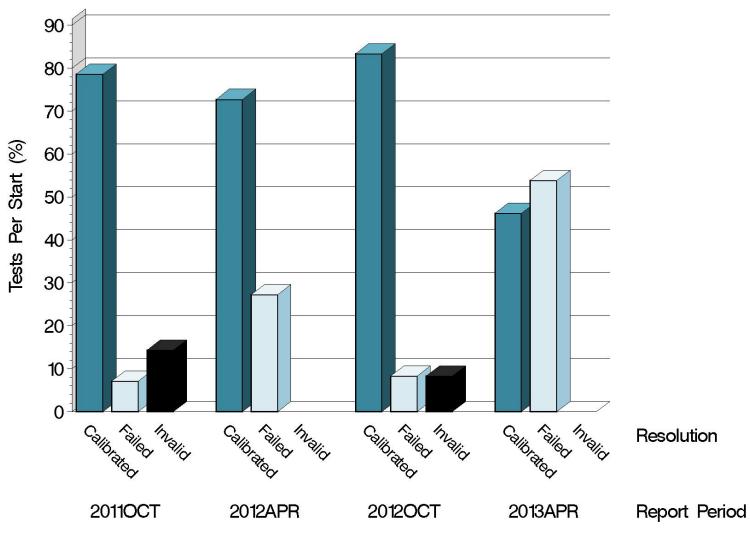


Test Distribution by Oil and Validity

					Totals	
		123-2	155	155-1	Last Period	This Period
Accepted for calibration	AC	3	1	2	10	6
Rejected (Mild)	OC	0	0	0	0	0
Rejected (Severe)	OC	0	0	0	1	0
Rejected (Precision)	OC	1	0	6	0	7
Invalidated calibration	LC	0	0	0	1	0
Aborted	XC	0	0	0	0	0
Accepted information run	NI	0	0	0	0	0
Total		4	1	8	12	13



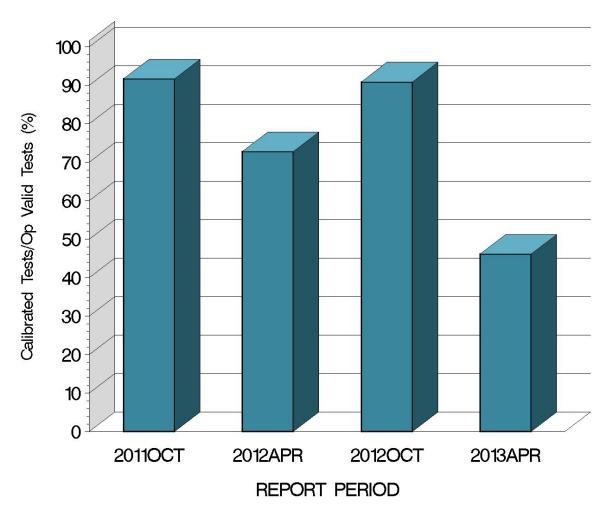
CALIBRATION ATTEMPT SUMMARY







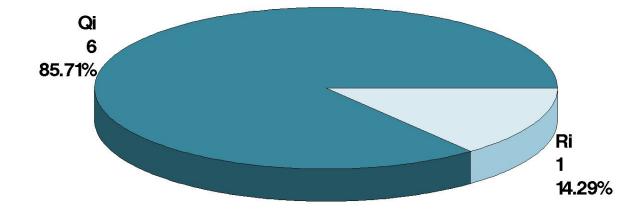
OPERATIONALLY VALID TESTS MEETING ACCEPTANCE CRITERIA







CAUSES FOR FAILED TESTS





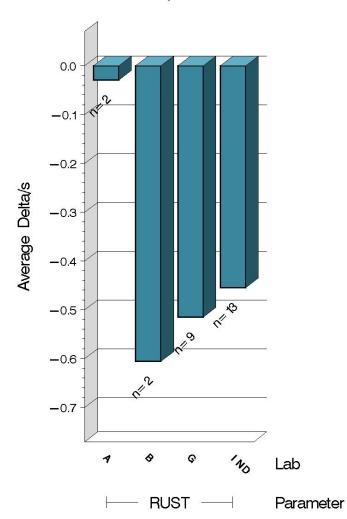
CAUSES FOR LOST TESTS

			Oil			Validity			Loss Rate		
Lab	Cause		123-2	155	155-1	RC	LC	XC	Lost	Starts	%
	No tests were lost.								0	13	0%
		Lost	0	0	0	0	0	0			
		Starts	4	1	8	13	13	13			
		%	0%	0%	0%	0%	0%	0%			



TEST SEVERITY

DELTA/S BY LAB

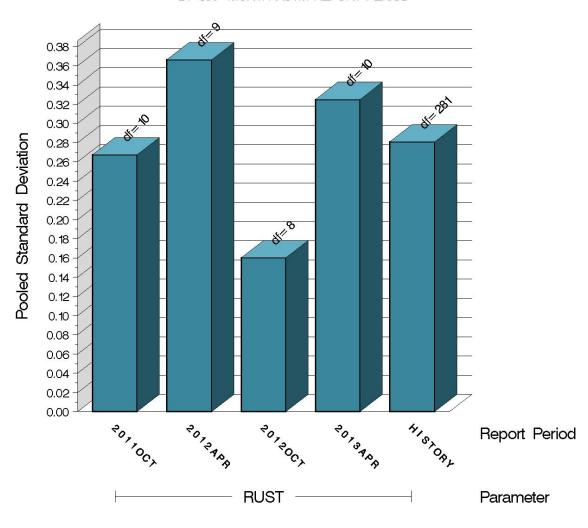


Average ∆/s by Lab					
Lab	n	RUST			
Α	2	-0.029			
В	2	-0.606			
G	9	-0.516			
Industry	13	-0.455			
Shift	13	-0.114			



TEST PRECISION

POOLED STANDARD DEVIATION
BY SIX-MONTH ASTM REPORT PERIOD







SUMMARY OF SEVERITY & PRECISION

Severity

Average RUST Δ /s this period was -0.455. Using the target standard deviation for oil 155, this equates to -0.114 merits.

Precision

One stand produced a couple RUST results of 9.0 on oil 155-1. These results produced precision alarms for both the lab and industry and account for 6 of the 7 failed tests this period.

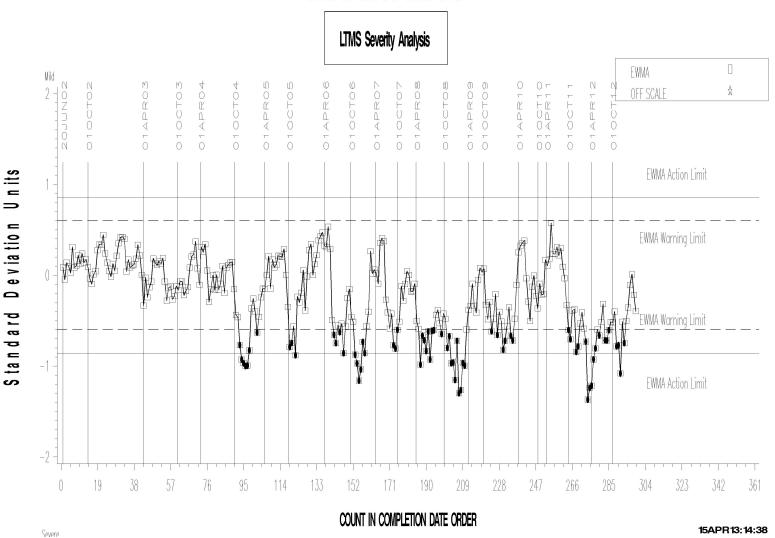
Industry control charts follow.





L-33-1 INDUSTRY OPERATIONALLY VALID DATA

FINAL RUST RESULT



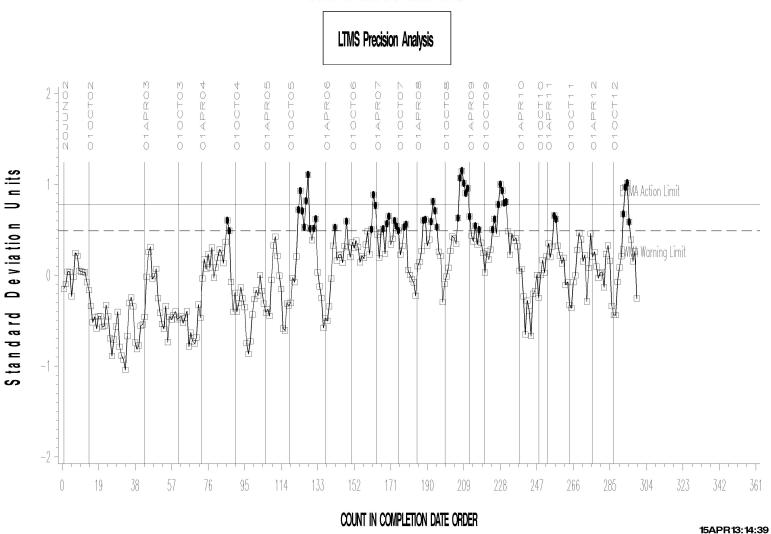
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L-33-1 INDUSTRY OPERATIONALLY VALID DATA

FINAL RUST RESULT



Test Monitoring Center

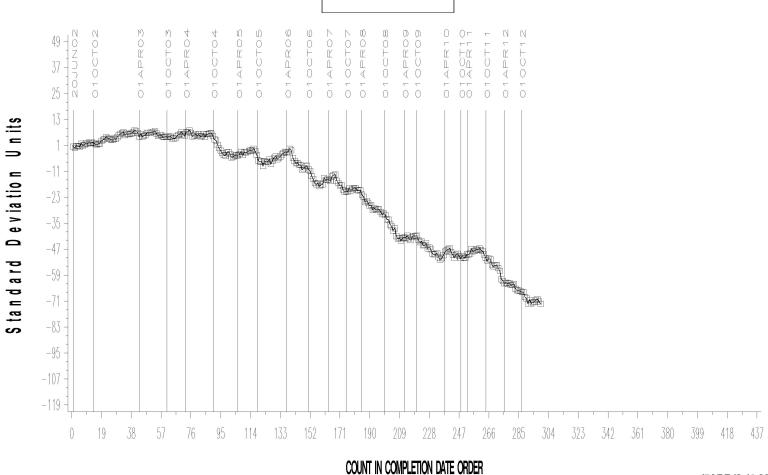
http://astmtmc.cmu.edu



L-33-1 INDUSTRY OPERATIONALLY VALID DATA

FINAL RUST RESULT





15APR13:14:39





TIMELINE ADDITIONS

Effective Date	Information Letter	Event	
		No additions have been made this period.	



LAB VISITS

No L-33-1 lab visits were conducted during this period.

INFORMATION LETTERS

No L-33-1 information letters were issued during this period.



STATUS OF REFERENCE OIL SUPPLY

		@ TMC		
Oil	Cans @ Labs	Cans	Gallons	
123-2	15	162	162.8	
155	1	36	36.4	
155-1	11	406	406.8	
Total	27	604	605.9	

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).



