A Program of ASTM International

Test Monitoring Center

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412-365-1000

MEMORANDUM: 10-050

DATE: November 9, 2010

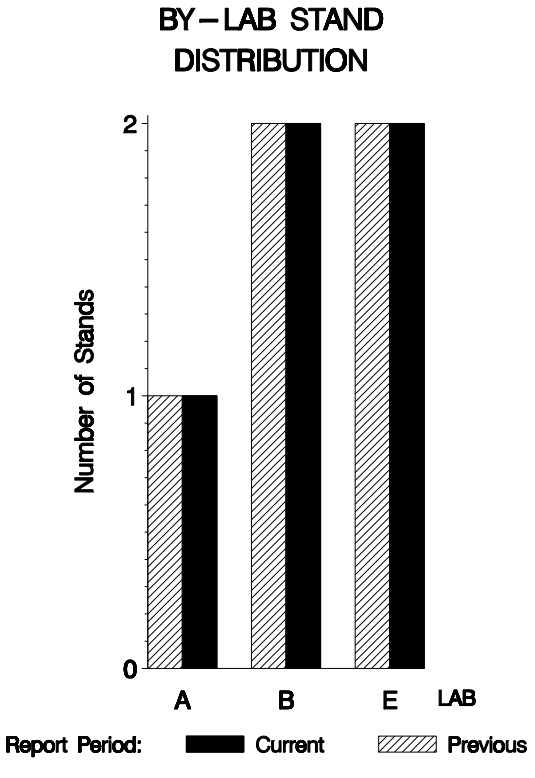
TO: Dale Smith, Chairman, L-33-1 Surveillance Panel

FROM: Scott Parke

SUBJECT: L-33-1 Testing from April 1, 2010 through September 30, 2010

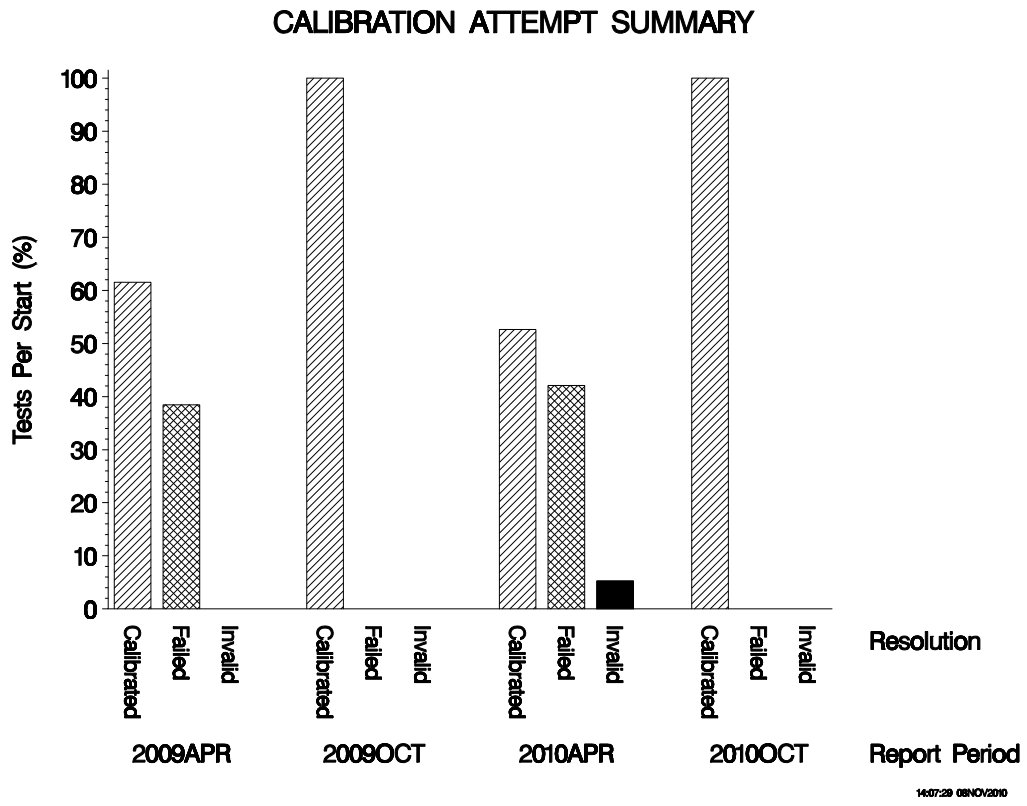
A total of 11 L-33-1 tests were reported to the Test Monitoring Center during the period from April 1, 2010 through September 30, 2010. Following is a summary of testing activity this period.

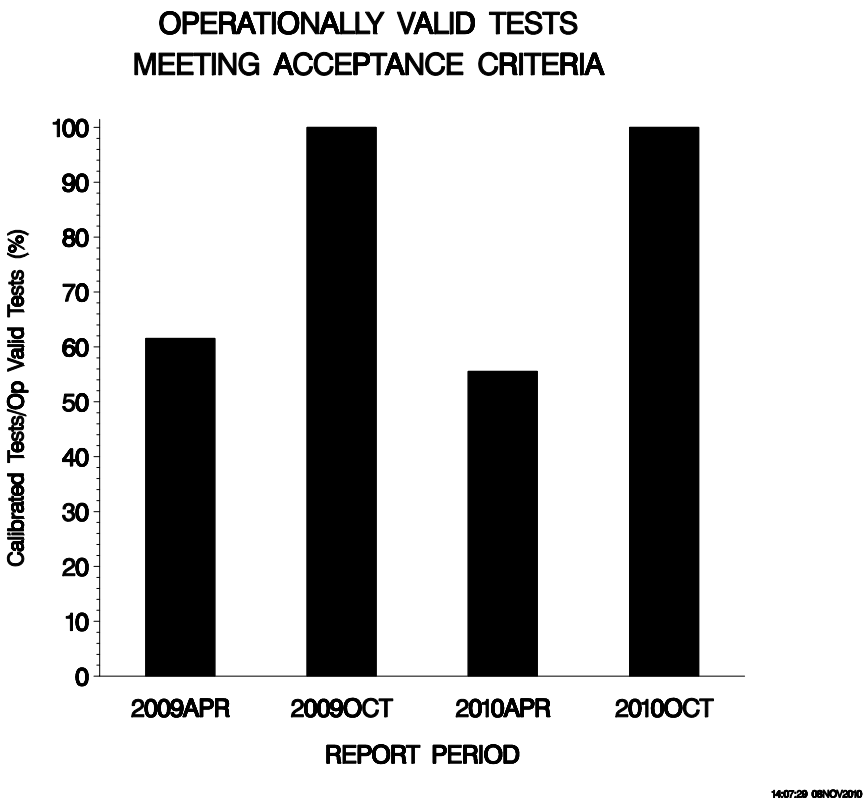
	Reporting Data	Calibrated on 9-30-10
Number of Labs	3	3
Number of Stands	5	4



Test Distribution by Oil and Validity

		123-2	151-3	155	Totals Last Period	Totals This Period
Accepted for calibration	AC	5	1	5	10	11
Rejected (Mild)	OC	0	0	0	0	0
Rejected (Severe)	OC	0	0	0	3	0
Rejected (Precision)	OC	0	0	0	5	0
Aborted	XC	0	0	0	1	0
Total		5	1	5	19	11

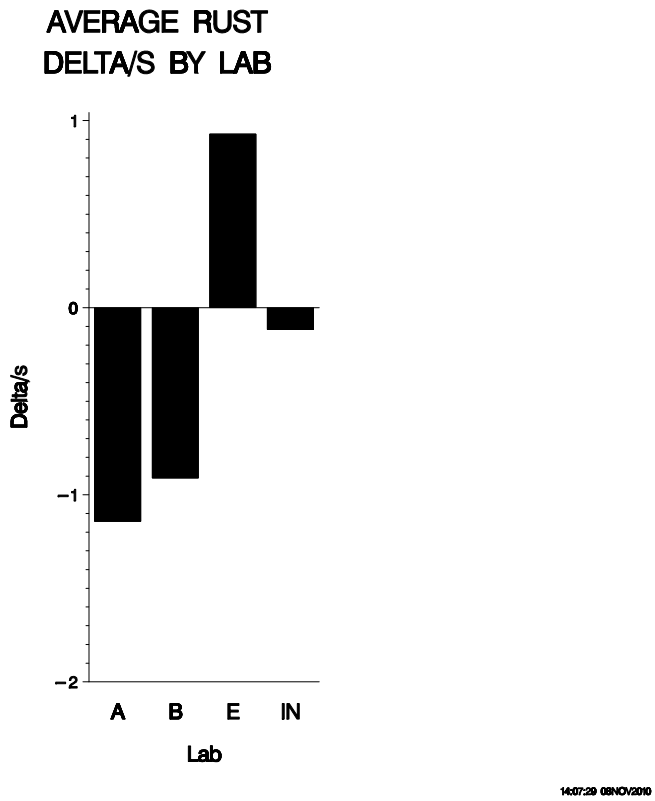


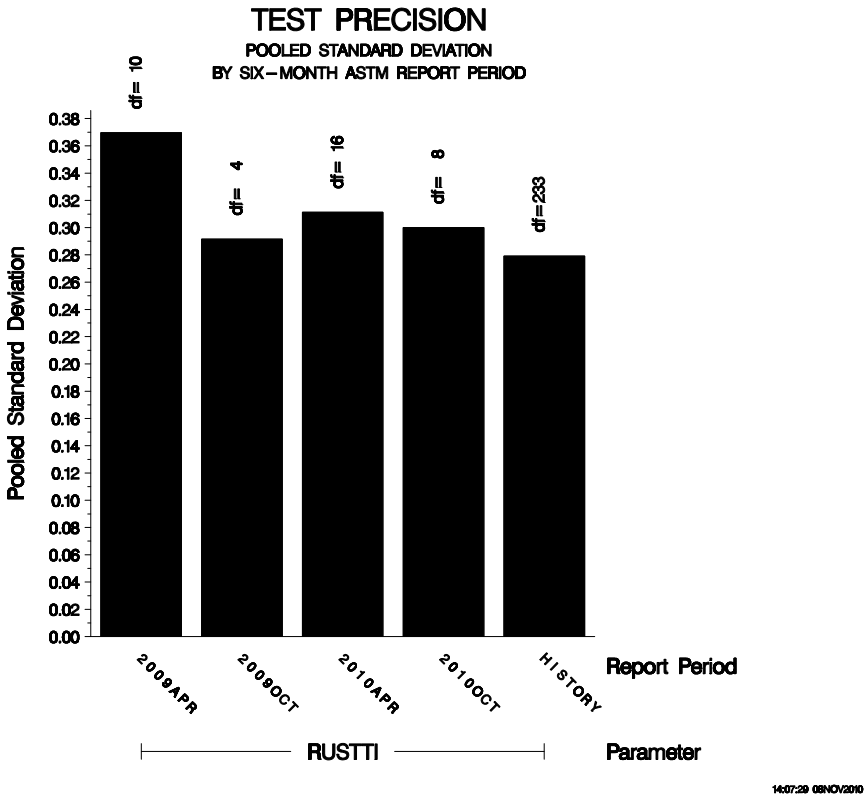

OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA
Calibrated Tests/Op Valid Tests (%)
100
90
80
70
60
50
40
30
20
10
0
2009APR
2009OCT
2010APR
2010OCT
REPORT PERIOD
14:07:29 08NOV2010

CAUSES FOR LOST TESTS:

			Oil			Validity			Loss Rate		
Lab	Cause		123-2	151-3	155	LC	RC	XC	Lost	Starts	%
	No tests were lost this report period.								0	11	0%
		Lost	0	0	0	0	0	0			
		Starts	5	1	5	11	11	11			
		%	0%	0%	0%	0%	0%	0%			

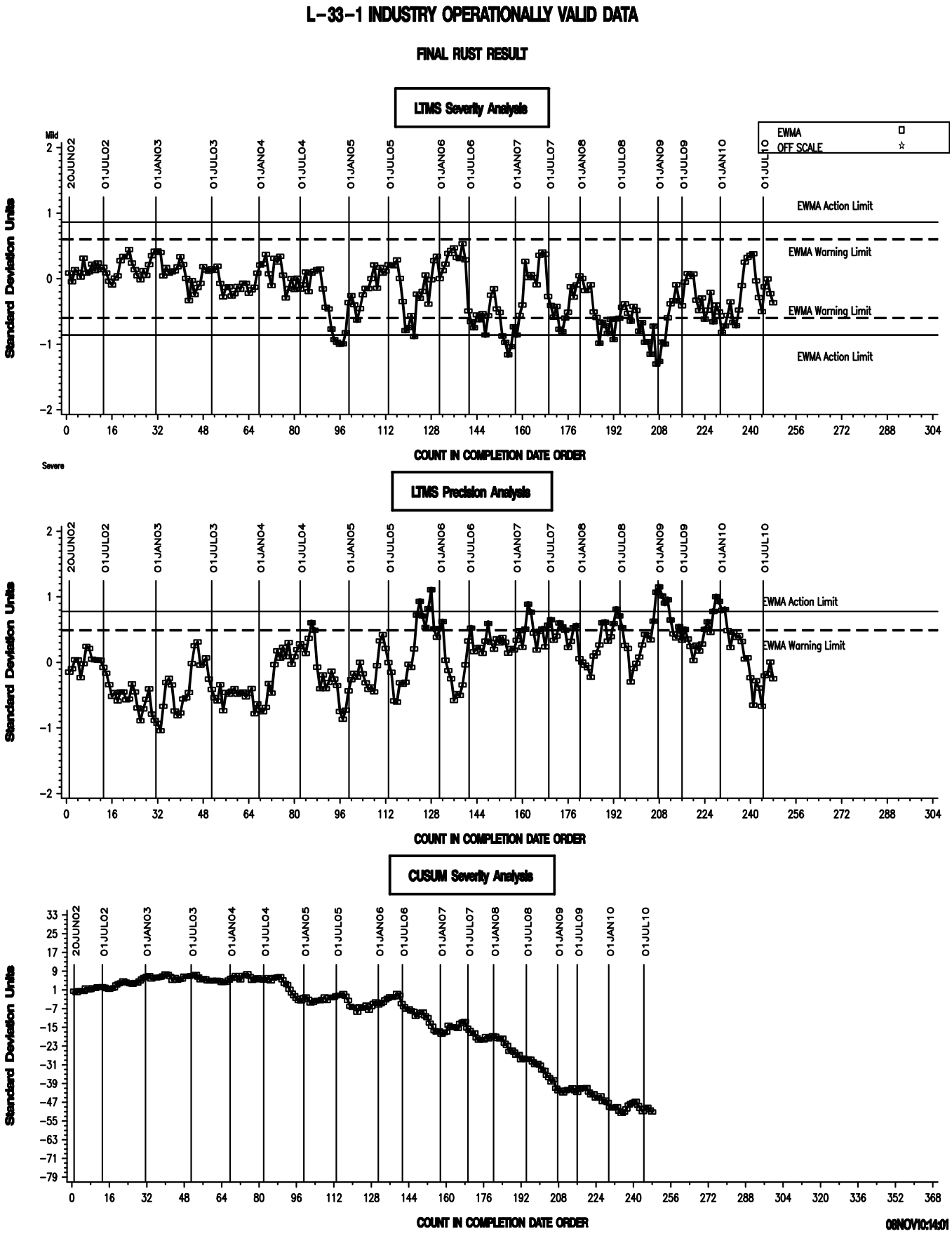
Average Δ/s by Lab		
Lab	n	TGF
A	2	-1.142
B	4	-0.910
E	5	0.928
Industry	11	-0.117





INDUSTRY CONTROL CHART:

The industry control chart is shown on the following page. Both precision and severity performance are currently within control chart alarm limits.


L-33-1 INDUSTRY OPERATIONALLY VALID DATA
FINAL RUST RESULT
LTMS Severity Analysis
Mild
EWMA
OFF SCALE
EWMA Action Limit
EWMA Warning Limit
EWMA Warning Limit
EWMA Action Limit
Standard Deviation Units
COUNT IN COMPLETION DATE ORDER
Severe
LTMS Precision Analysis
EWMA Action Limit
EWMA Warning Limit
Standard Deviation Units
COUNT IN COMPLETION DATE ORDER
CUSUM Severity Analysis
Standard Deviation Units
COUNT IN COMPLETION DATE ORDER
08NOV10:14:01

TIMELINE OF SIGNIFICANT EVENTS IN THE HISTORY OF THE L-33-1 TEST:

Effective Date	Information Letter	Event
20030106	02-1	New L-33-1 Test Procedure
20030507	03-1	Revised test unit assembly procedure
20030507	03-1	Revise specification for the abrasive blasting cabinet regulator
20030507	03-1	Revised electric fan motor RPM specification
20030507	03-1	Non-interpretable tests
20030507	03-1	Revision to light rust definition
20030507	03-1	Editorial changes
20030916	03-2	Bearing replacement
20030916	03-2	Addition of Dana bulletin No. 5304-2
20040101	03-2	Change in solvent specification
20050221	05-1	Revised Solvent Specification
20050221	05-1	Revised Cover Plate Guide Pin Requirement
20050221	05-1	Updated Test Precision
20050221	05-1	Donated Reference Oil Test Programs/Calibration Period Length Adjustment
20050221	05-1	Revised Footnote 2
20060207	06-1	Axle Cover Rating Template
20060721	06-2	Housing Cover Gasket Supplier Name and Address Change
20061009	06-3	Aluminum Differential Case, Area 2, Hub Inside Diameter Rating Template
20061009	06-3	Editorial changes
20070214	07-1	Revised Area 1 Rating Surface Description
20070214	07-1	Editorial Changes to Figures A1.8, A1.14, and A1.15
20070411	07-2	Editorial Changes to Sections A2.2.1 and A2.2.2
20070525	07-3	Rating Procedure Using Aluminum Differential Case, Area 2, Hub Inside Diameter Rating Template
20071114	07-4	Revised Start-up Procedure
20080114	08-1	Revised Section 11.1.6.1
20090323	09-1	Revision to Percent Deviation Calculation

TMC LAB VISITS:
No L33-1 lab visits were conducted during this report period.

INFORMATION LETTERS:
No information letters were issued this report period.

STATUS OF REFERENCE OIL SUPPLY:
At the end of this report period, the testing oil supply stood as outlined in the table below:

		@ TMC	
Oil	Cans @ Labs	Cans	Gallons
123	1	0	0.0
123-2	16	191	191.0
151-3	3	0	0.0
155	11	150	150.0
Total	31	341	341.0

The TMC quantity remaining presumes usage only for L-33-1 testing. Oils 151-3 and 155 are also used in other test areas.

SDP/sdp/astm1010.doc/mem10-050.sdp.doc
c: Frank Farber
Jeff Clark
Don Lind
L-33-1 Surveillance Panel
ftp://ftp.astmtmc.cmu.edu/docs/gear/l331/semiannualreports/l331-10-2010.pdf

Distribution: email