

### **Test Monitoring Center**

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

MEMORANDUM:	20-011
DATE:	April 9, 2020
TO:	Dale Smith, Chairman, L-33-1 Surveillance Panel
FROM:	Dylan Beck DW Bego
SUBJECT:	L-33-1 Testing from October 1, 2019 through March 31, 2020

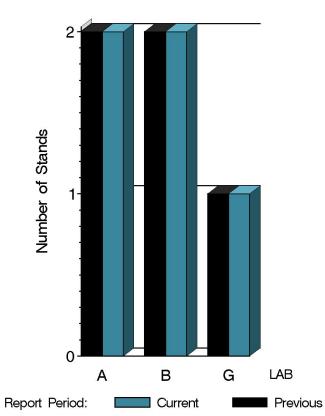
Attached is a summary of testing activity this period.

DJB/djb/mem20-011.djb.doc cc: Frank Farber Jeff Clark L-33-1 Surveillance Panel <u>http://www.astmtmc.cmu.edu/ftp/docs/gear/l331/semiannualreports/L331-04-2020.pdf</u>

Distribution: email

	Reporting Data	Calibrated on 3-31-20
Number of Labs	3	3
Number of Stands	5	5

BY-LAB STAND DISTRIBUTION



9:29:58 01APR2020



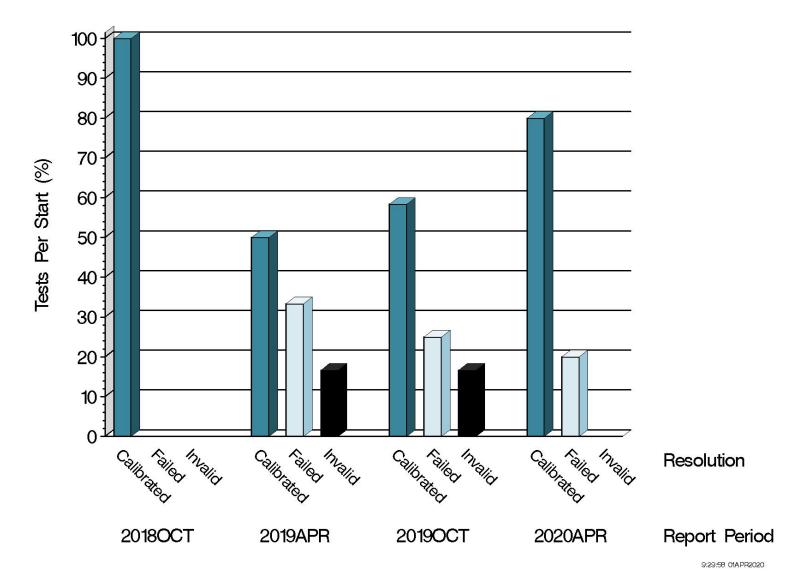
## **Test Distribution by Oil and Validity**

					Totals	
		123-2	155	155-1	Last Period	This Period
Accepted for calibration	AC	3	0	1	7	4
Rejected (Mild)	OC	0	0	1	1	1
Rejected (Severe)	OC	0	0	0	0	0
Rejected (Precision)	OC	0	0	0	2	0
Invalidated calibration	LC	0	0	0	0	0
Aborted	XC	0	0	0	2	0
Unacceptable info run	MI	0	0	0	0	0
Accepted information run	ΝΙ	3	0	2	1	5
Total		6	0	4	13	10

Test Monitoring Center A Program of ASTM Inte

http://astmtmc.cmu.edu

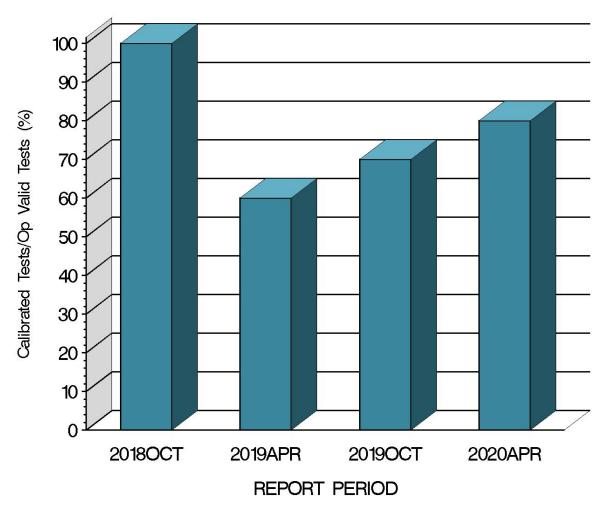
CALIBRATION ATTEMPT SUMMARY





A Program of ASTM Intern

### OPERATIONALLY VALID TESTS MEETING ACCEPTANCE CRITERIA



9:29:58 01APR2020

A Program of



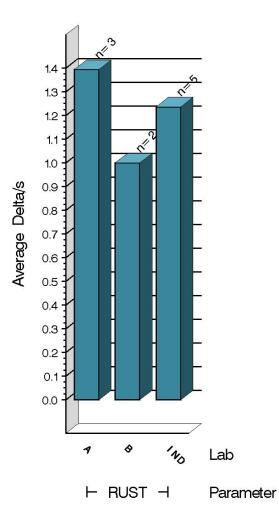
### **CAUSES FOR LOST TESTS**

				Oil		V	alidit	ÿ	Lo	oss Ra	ite
Lab	Cause		123-2	155	155-1	RC	LC	XC	Lost	Starts	%
	No tests were period	lost this							0	10	0
		Lost	0	0	0	0	0	0			
		Starts	6	0	4	10	10	10			
		%	0%	0%	0%	0%	0%	0%			





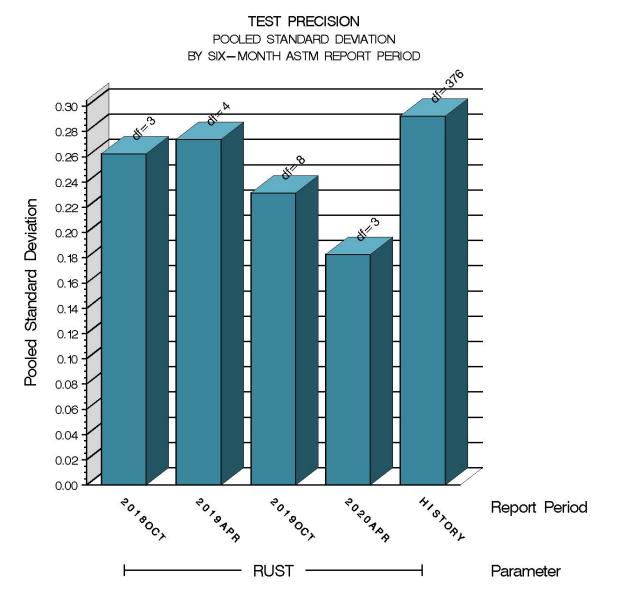
TEST SEVERITY DELTA/S BY LAB



Average ∆/s by Lab				
Lab	n	RUST		
Α	3	1.394		
В	2	1.000		
Industry	5	1.236		
Shift	5	0.309 merits		







9:29:58 01APR2020



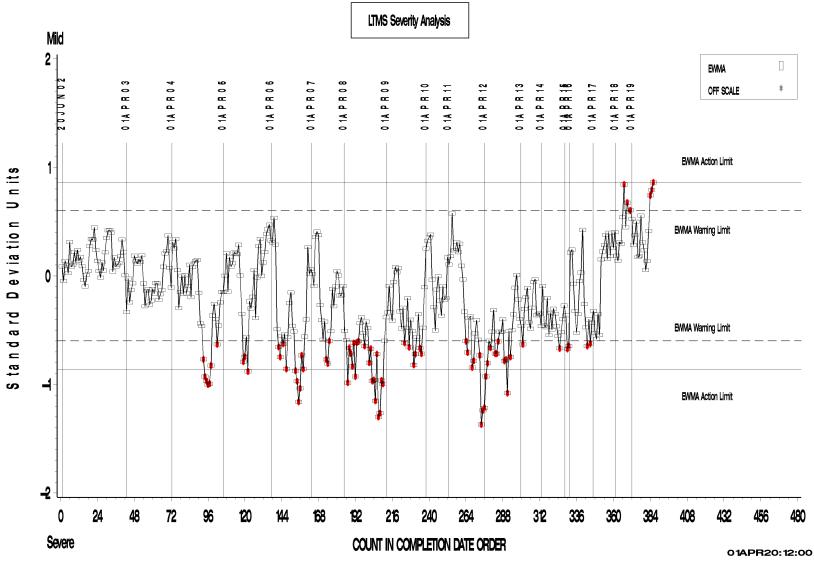
http://astmtmc.cmu.edu

## **SUMMARY OF SEVERITY & PRECISION**

Industry control charts follow.



#### L-33-1 INDUSTRY OPERATIONALLY VALID DATA



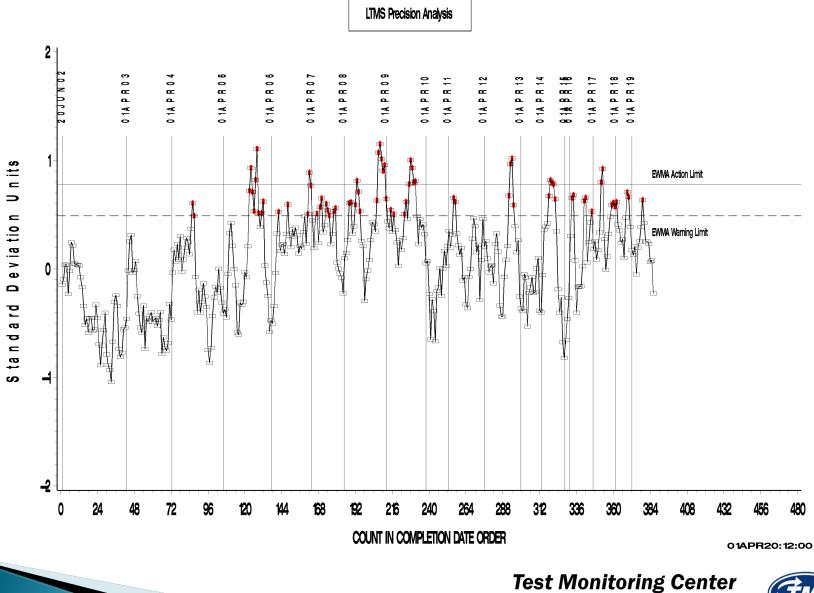
#### FINAL RUST RESULT

Test Monitoring Center http://astmtmc.cmu.edu



#### L-33-1 INDUSTRY OPERATIONALLY VALID DATA

#### FINAL RUST RESULT

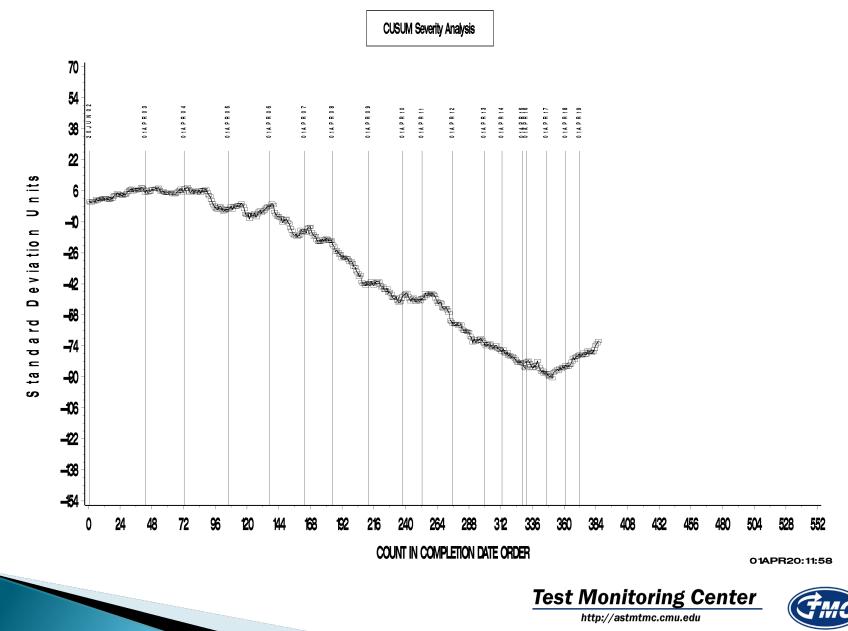


A Program of ASTM International

http://astmtmc.cmu.edu

#### L-33-1 INDUSTRY OPERATIONALLY VALID DATA

#### FINAL RUST RESULT



A Program of ASTM International

## **TIMELINE ADDITIONS**

Effective Date	Information Letter	Event	
Feb 25, 2020	20-1	Clarification added to the test procedure to address that the axle housing cover rating is to exclude the plug as a rated area.	





## LAB VISITS

One lab visit was conducted during this reporting period. All reviewed elements were found to be in accordance with the test procedure

## **INFORMATION LETTERS**

Info letter 20-001 was issued during this period to clarify that the plug was not to be considered a rated area on the axle housing cover.



### STATUS OF REFERENCE OIL SUPPLY

		@ TMC		
Oil	Cans @ Labs	Cans	Gallons	
123-2	17	90	90.0	
155	0	27	27.5	
155-1	16	65	65.4	
Total	33	182	182.9	

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, L-60-1, and HTCT).

