

#### **Test Monitoring Center**

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

DATE:November 6, 2018TO:Jessica Villarreal, Chairwoman, Ball Rust Test Surveillance PanelFROM:Michael T. Kasimirsky Michael J. ResimiskySUBJECT:BRT Testing from April 1, 2018 through September 30, 2018	MEMORANDUM:	18-037
FROM: Chairwoman, Ball Rust Test Surveillance Panel Michael T. Kasimirsky Maihael J. Resimisky	DATE:	November 6, 2018
v	TO:	,
SUBJECT: BRT Testing from April 1, 2018 through September 30, 2018	FROM:	Michael T. Kasimirsky Michael J. Resimisky
	SUBJECT:	BRT Testing from April 1, 2018 through September 30, 2018

A total of 156 BRT tests were reported to the Test Monitoring Center during the report period from April 1, 2018 through September 30, 2018.

Please find attached a summary of testing activity this period.

MTK/mtk/ast1018.doc/mem18-037.mtk.doc

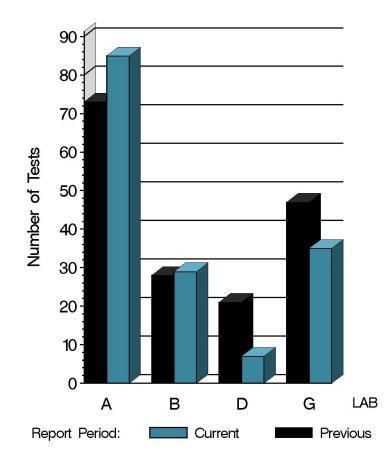
cc: F. M. Farber J. A. Clark BRT Surveillance Panel

http://www.astmtmc.cmu.edu/ftp/docs/bench/brt/semiannualreports/brt-10-2018.pdf

Distribution: email

	Reporting Data
Number of Labs	4

NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



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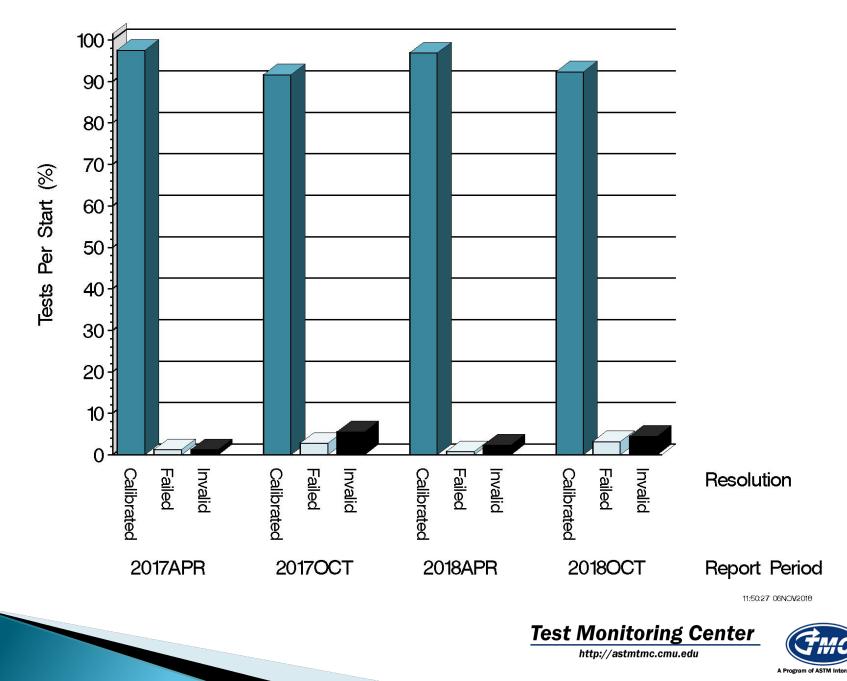
#### **Test Distribution by Oil and Validity**

							Tot	als
		1006	81	82-1	86	87	This Period	Last Period
Accepted for calibration	AC	73	12	46	6	7	144	125
Rejected	OC	2	0	1	2	0	5	1
Invalidated by Lab	LC	1	0	0	1	0	2	2
Aborted	XC	1	0	2	0	0	3	1
Invalidated by TMC	RC	1	0	1	0	0	2	0
Donated Test	NI	0	0	0	0	0	0	26
Invalid Donated Test	LI	0	0	0	0	0	0	2
Acceptable Shakedown	AS	0	0	0	0	0	0	11
Failed Shakedown	OS	0	0	0	0	0	0	1
Total		78	12	50	9	7	156	169

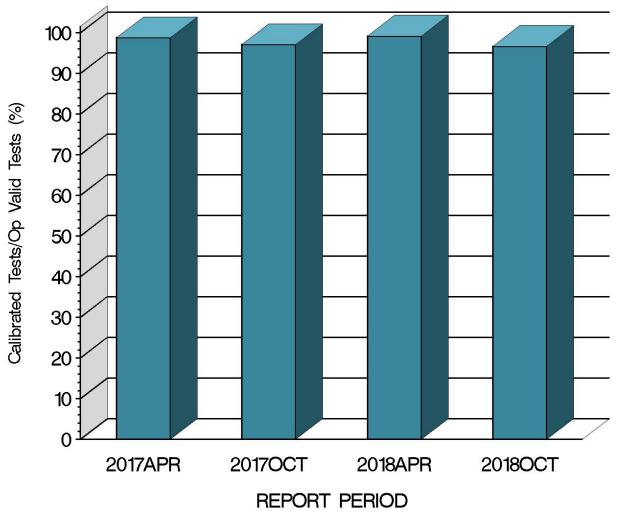




CALIBRATION ATTEMPT SUMMARY







11:50:27 06NOV2018



### CAUSES FOR LOST TESTS

					Oil			V	alidit	ÿ	Lc	oss Ra	te
Lab	Cause		1006	81	82-1	86	87	LC	RC	XC	Lost	Starts	%
٨	Acid Valv	e Problem	1	0	0	0	0	0	0	1	1	85	1.2
A	Operator	Error	0	0	1	0	0	0	0	1	1	85	1.2
В	Airflow Pr	oblem	0	0	0	1	0	1	0	0	1	29	3.4
	Bath Failu	ure	1	0	0	0	0	1	0	0	1	35	2.9
G	Improper	Test Length	1	0	1	0	0	0	1	1	2	35	5.7
	Heater Control Failure		0	0	1	0	0	0	1	0	1	35	2.9
		Lost	3	0	3	1	0	2	2	3			
		Starts	78	12	80	9	7	156	156	156			
		%	3.8	0	3.8	11.1	0	1.3	1.3	1.9			

Lost tests are calibration attempts that were either aborted or operationally invalid





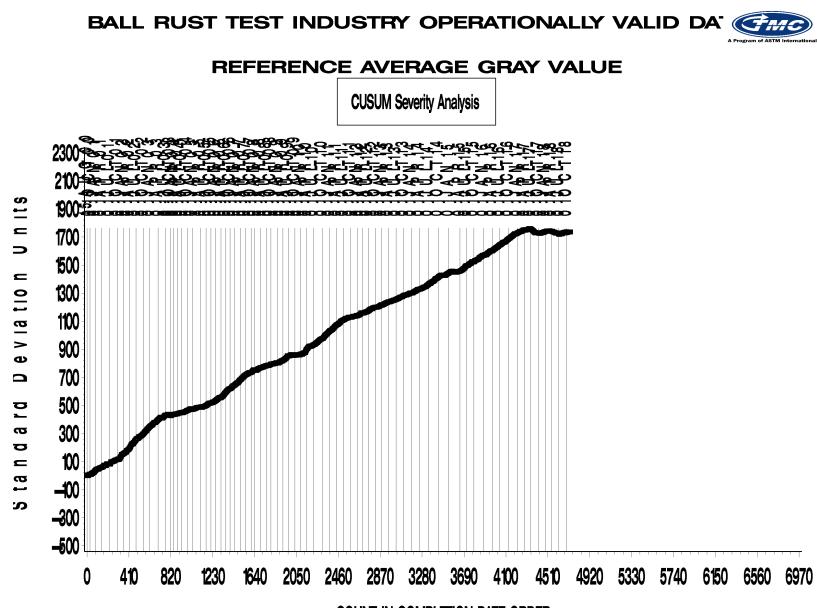
Average ∆/s By Laboratory					
Lab	n	AGVYI			
A	83	0.357			
В	28	-0.855			
D	7	-0.781			
G	31	-0.200			
Industry	149	-0.040			

Individual test results can be found on the TMC Web Page at the following link:

http://www.astmtmc.cmu.edu/ftp/refdata/bench/brt/data/







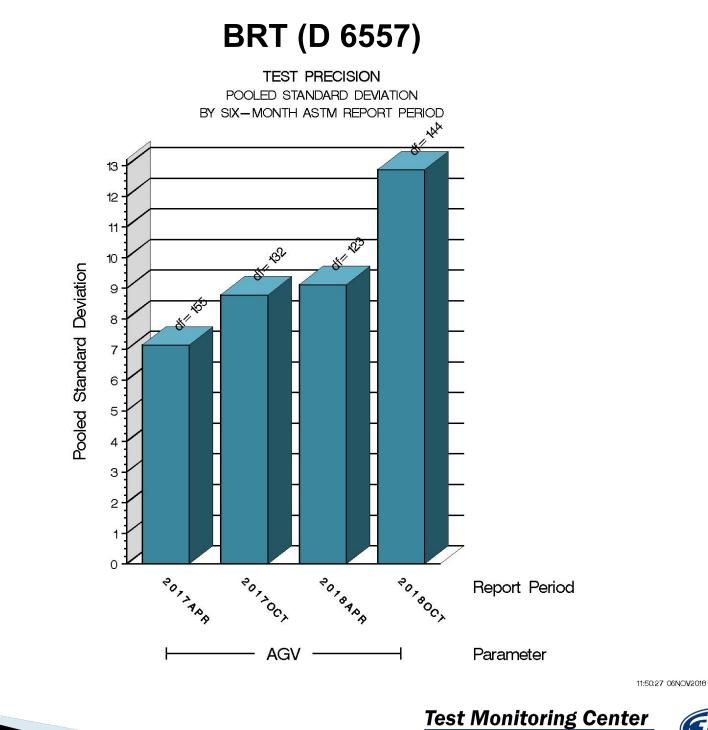
COUNT IN COMPLETION DATE ORDER

06NOV18:11:54





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### BRT (D 6557) SUMMARY OF SEVERITY & PRECISION

#### Severity

Over the course of this report period, AGV severity, as measured by CUSUM plotting, is on target.

#### Precision

Pooled s for this period is 12.88.

Precision, as measured by pooled standard deviation, is worse than the previous period.



#### **INFORMATION LETTERS**

BRT Information Letter 18-1, Sequence No. 4, dated July 25, 2018.Introduction of New Image Analysis Systems





#### STATUS OF REFERENCE OIL SUPPLY

		@ TMC			
Oil	Samples @ Labs	Samples (30 mL)	Gallons		
1006	43	3613	28.9		
81	10	0	0.0		
82	2	0	0.0		
82-1	37	924	7.4		
86	20	6700	53.6		
87	20	12200	97.6		
Total	132	23437	187.5		

Reference Oils 86 and 87 have been approved for calibration use.

