

Test Monitoring Center

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MEMORANDUM:	15-036
DATE:	November 9, 2015
TO:	Leonard Orzech, Chairman, Ball Rust Test Surveillance Panel
FROM:	Michael T. Kasimirsky Michael J. Resimisky
SUBJECT:	BRT Testing from April 1, 2015 through September 30, 2015

A total of 135 BRT tests were reported to the Test Monitoring Center during the report period from April 1, 2015 through September 30, 2015.

Please find attached a summary of testing activity this period.

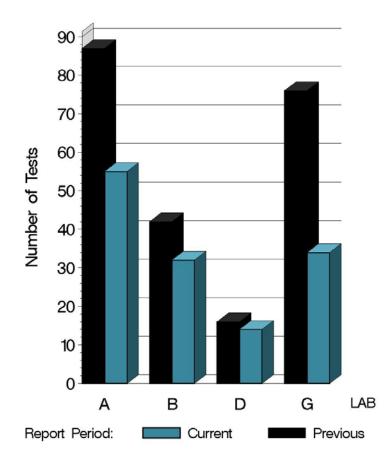
MTK/mtk/astm1015.doc/mem15-036.mtk.doc

cc: F. M. Farber J. A. Clark BRT Surveillance Panel <u>ftp://ftp.astmtmc.cmu.edu/docs/bench/brt/semiannualreports/brt-10-2015.pdf</u>

Distribution: email



NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD



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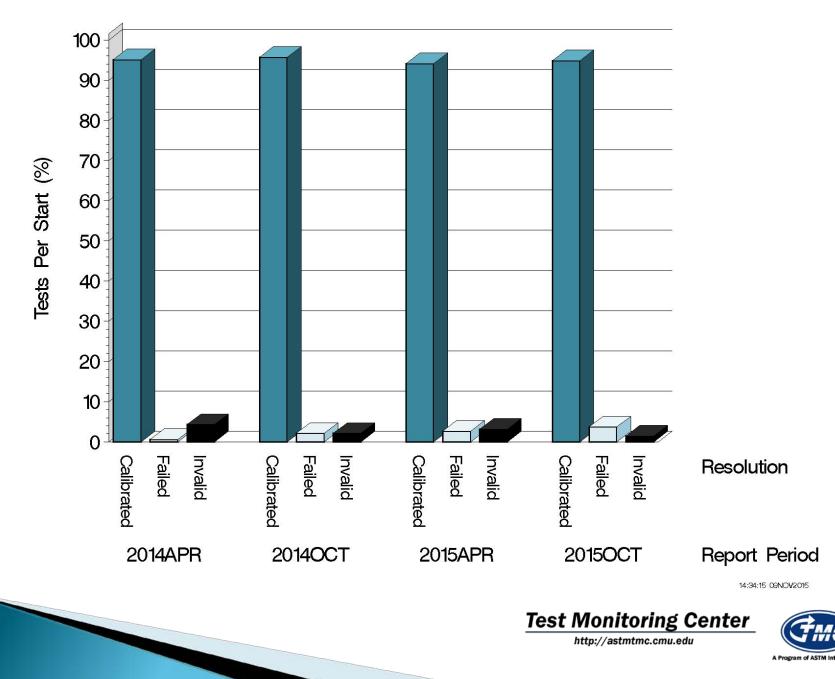
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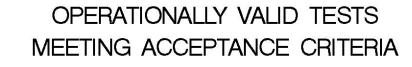
Test Distribution by Oil and Validity

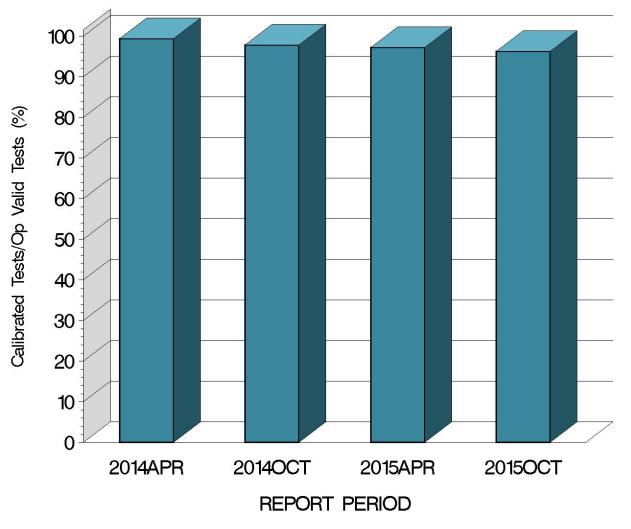
					Totals		
		1006	81	82	This Period	Last Period	
Accepted for calibration	AC	33	70	25	128	208	
Rejected	OC	1	0	4	5	6	
Invalidated by Lab	LC	0	1	0	1	0	
Invalidated by TMC	RC	0	0	0	0	1	
Aborted	XC	1	0	0	1	5	
Hardware Approval run	NI	0	0	0	0	0	
Unacceptable Approval run	MI	0	0	0	0	0	
Total		35	71	29	135	220	



CALIBRATION ATTEMPT SUMMARY







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CAUSES FOR LOST TESTS

			Oil		Validity		Loss Rate				
Lab	Cause		1006	81	82	LC	RC	XC	Lost	Starts	%
D	Bath Failure		1	0	0	0	0	1	1	14	7%
G	Program	ogram Error		1	0	1	0	0	1	34	3%
		Lost	1	1	0	1	0	1			
		Starts	35	71	29	135	135	135]		
		%	3%	1%	0%	0.7%	0%	0.7%]		

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



Average Δ/s By Laboratory					
Lab	n	AGVYI			
А	55	0.601			
В	32	-0.085			
D	13	0.230			
G	33	1.003			
Industry	133	0.499			

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

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



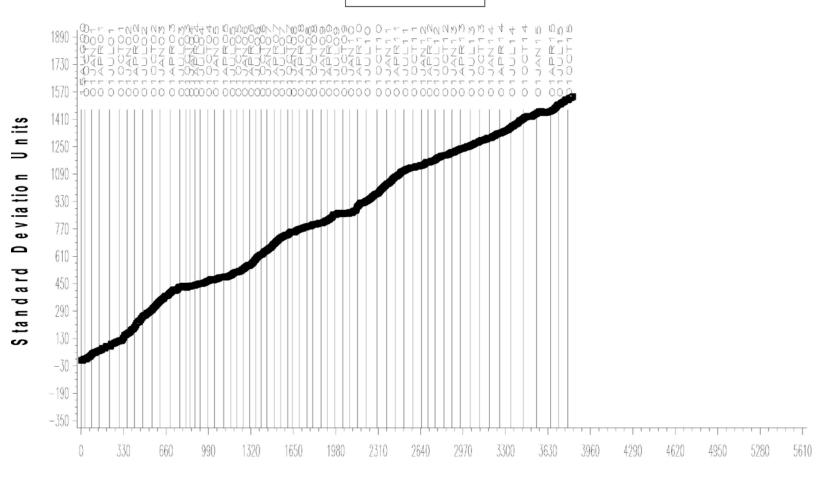


BALL RUST TEST INDUSTRY OPERATIONALLY VALID DATA



REFERENCE AVERAGE GRAY VALUE

CUSUM Severity Analysis

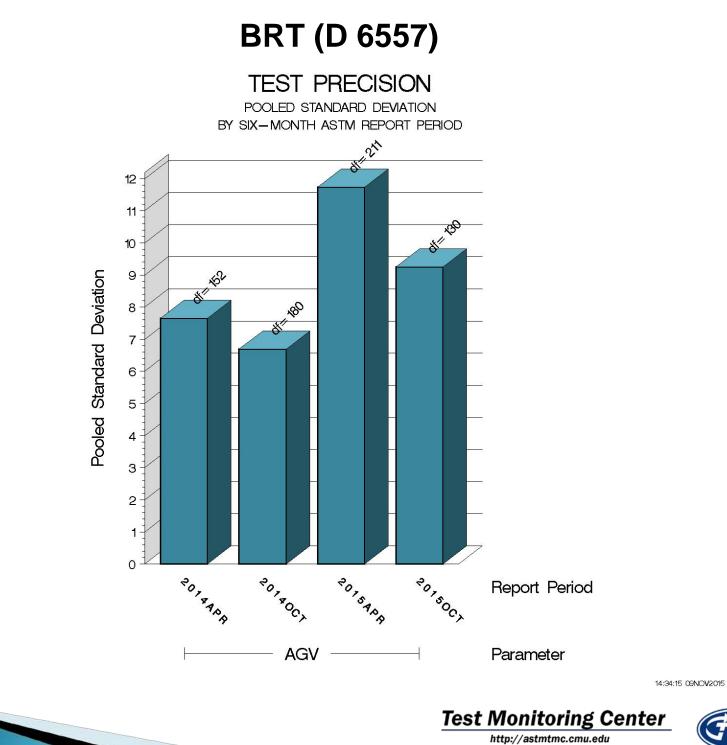


COUNT IN COMPLETION DATE ORDER

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Test Monitoring Center





SUMMARY OF SEVERITY & PRECISION

Severity

Over the course of this report period, AGV severity, as measured by CUSUM plotting, continued the mild trend that has existed since the inception of the test.

Precision

Pooled s for this period is 9.25.

Precision, as measured by pooled standard deviation, is better than the previous period, but still in line with overall historical performance.



INFORMATION LETTERS

No Information Letters were issued this period.





STATUS OF REFERENCE OIL SUPPLY

		@ TMC		
Oil	Samples @ Labs	Samples (30 mL)	Gallons	
1006	32	4050	32.4	
81	52	687	5.5	
82	32	337	2.7	
82-1	8	1225	9.8	
Total	124	6299	50.4	



