

Test Monitoring Center

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

MEMORANDUM:	16-039
DATE:	November 7, 2016
TO:	Yong-Li McFarland, Chairwoman, Engine Oil Filterability Test Surveillance Panel
FROM:	Michael T. Kasimirsky Michael J. Resimisky
SUBJECT:	EOFT Testing from April 1, 2016 through September 30, 2016
A total of 137 EOF	T tests were reported to the Test Monitoring Center during the report period from

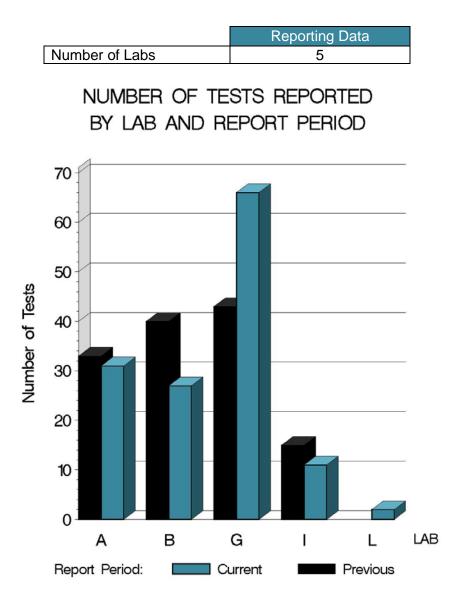
April 1, 2016 through September 30, 2016.

Please find attached a summary of testing activity this period.

MTK/mtk/astm1016.doc/mem16-039.mtk.doc

cc: F. M. Farber J. A. Clark EOFT Surveillance Panel <u>ftp://ftp.astmtmc.cmu.edu/docs/bench/eoft/semiannualreports/eoft-10-2016.pdf</u>

Distribution: email



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http://astmtmc.cmu.edu

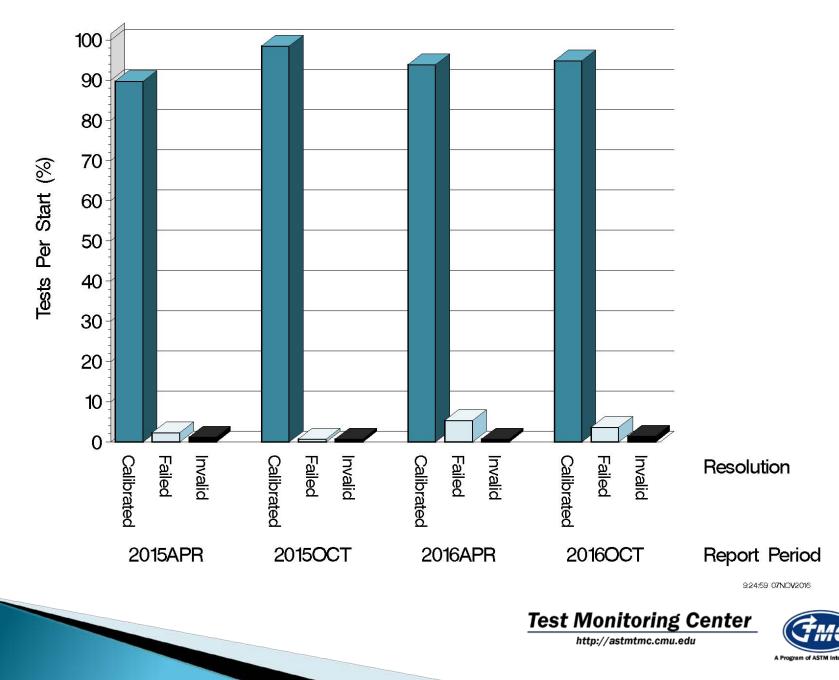
Test Distribution by Oil and Validity

				Totals		
		78-2	79	This Period	Last Period	
Accepted for Calibration	AC	2	128	130	122	
Failed Acceptance Criteria	OC	0	5	5	7	
Operationally Invalid (lab)	LC	0	0	0	0	
Aborted Calibration	XC	0	2	2	1	
Accepted for Target Generation	NI	0	0	0	0	
Invalid Target Generation	LI	0	0	0	0	
Total		2	135	137	130	

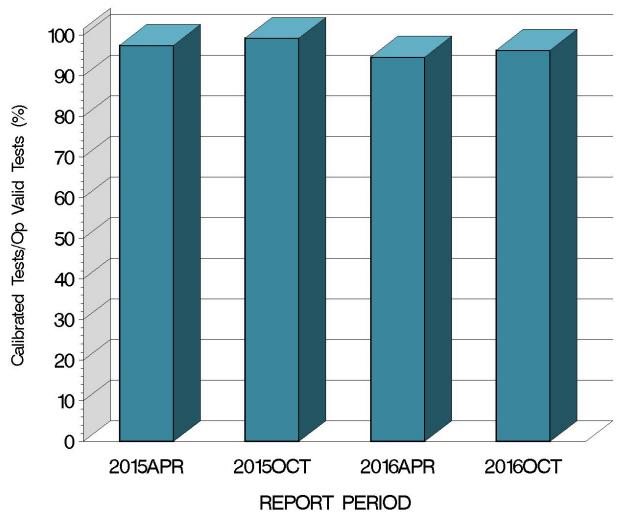




CALIBRATION ATTEMPT SUMMARY







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CAUSES FOR LOST TESTS

			Oil		Validity		Loss Rate			
Lab Cause		78-2	79	LC	RC	XC	Lost	Starts	%	
G	Sample P	Sample Prep Error		1	0	0	1	1	66	1.5
I	I Sample Prep Error		0	1	0	0	1	1	11	9.1
	•	Lost	0	2	0	0	2			
		Starts	2	135	137	137	137			
		%	0	1.5	0	0	1.5			

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



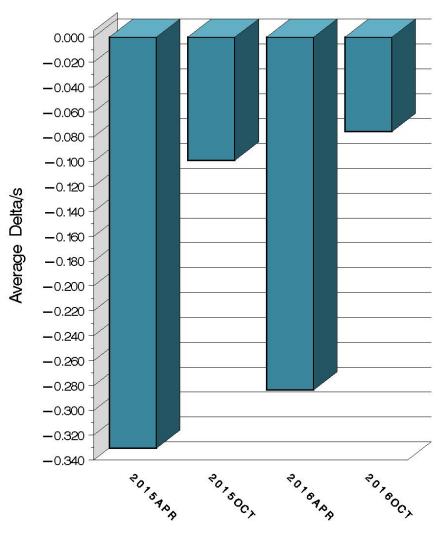
Average Δ/s By Laboratory					
Lab	n	CIFAYI			
A	31	-0.489			
В	27	0.757			
G	65	-0.170			
I	10	-0.147			
Ĺ	2	-1.487			
Industry	135	-0.076			

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

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



AVERAGE DELTA/S



Report Period

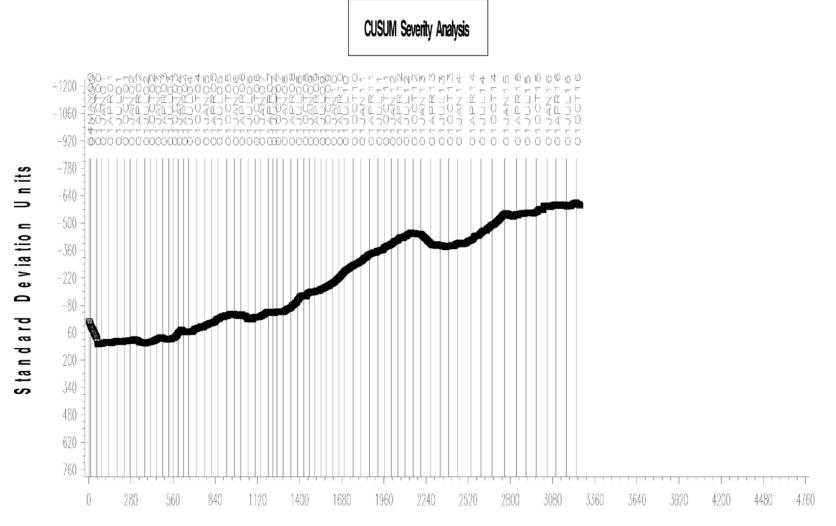


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EOFT INDUSTRY OPERATIONALLY VALID DATA



20 - 25 ML CHANGE IN FLOWRATE AVERAGE (%)

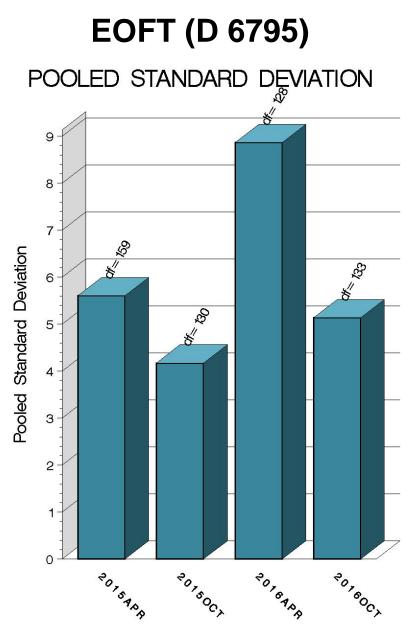


COUNT IN COMPLETION DATE ORDER

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Test Monitoring Center





Report Period



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EOFT (D 6795) SUMMARY OF SEVERITY & PRECISION

Severity

Over the course of this report period, CIFA severity, as measured by CUSUM plotting, was very slightly mild for the period, and has resumed the mild trend that has existed for several years in the test.

Precision

Pooled s for this period is 5.13.

Precision, as measured by pooled standard deviation, has degraded significantly compared to last period, but is still comparable to historical performance.





INFORMATION LETTERS

No Information Letters were issued this period.





STATUS OF REFERENCE OIL SUPPLY

		@ TMC		
Oil	Samples @ Labs	Samples (290 mL)	Gallons	
78-2	0	0	0.0	
79	112	11,063	851.9	
Total	112	11,063	851.9	

The TMC and laboratory inventory of oil 78-2 have been depleted.

Reference oil 78-2 cannot be re-blended. The TMC has procured a replacement oil, called reference oil 79, which has been introduced into EOFT.

