

Test Monitoring Center

@ Carnegie Mellon University 6555 Penn Avenue, Pittsburgh, PA 15206, USA

http://astmtmc.cmu.edu 412-365-1000

MEMORANDUM: 16-019

DATE: May 31, 2016

TO: Yong-Li McFarland,

Chairwoman, Engine Oil Filterability Test Surveillance Panel

FROM: Michael T. Kasimirsky Michael J. Kasimirsky

SUBJECT: EOFT Testing from October 1, 2015 through March 31, 2016

A total of 130 EOFT tests were reported to the Test Monitoring Center during the report period from October 1, 2015 through March 31, 2016.

Please find attached a summary of testing activity this period.

MTK/mtk/astm0416.doc/mem16-019.mtk.doc

cc: F. M. Farber J. A. Clark

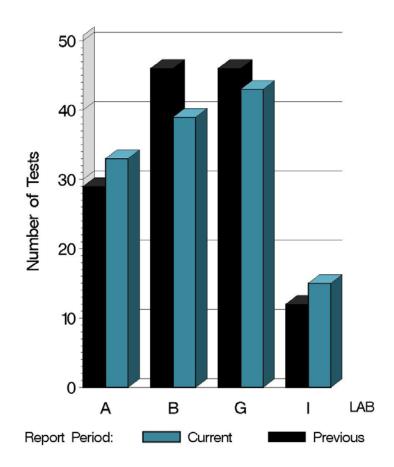
EOFT Surveillance Panel

ftp://ftp.astmtmc.cmu.edu/docs/bench/eoft/semiannualreports/eoft-04-2016.pdf

Distribution: email

	Reporting Data
Number of Labs	4

NUMBER OF TESTS REPORTED BY LAB AND REPORT PERIOD





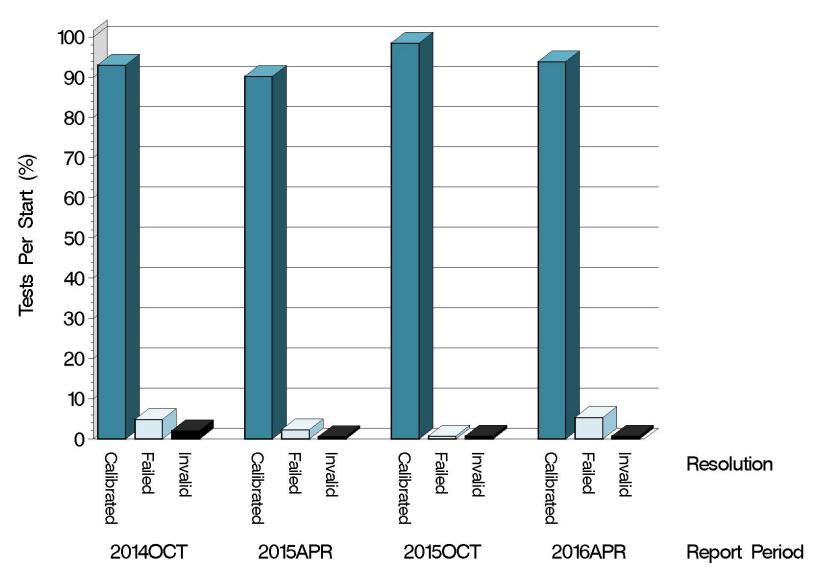


Test Distribution by Oil and Validity

				Totals		
		78-2	79	This Period	Last Period	
Accepted for Calibration	AC	11	111	122	131	
Failed Acceptance Criteria	OC	0	7	7	1	
Operationally Invalid (lab)	LC	0	0	0	1	
Aborted Calibration	XC	0	1	1	0	
Accepted for Target Generation	NI	0	0	0	0	
Invalid Target Generation	LI	0	0	0	0	
Total		11	119	130	133	



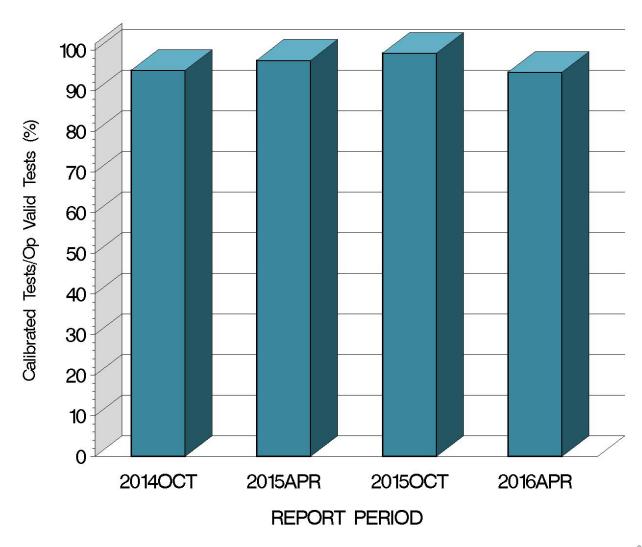
CALIBRATION ATTEMPT SUMMARY







OPERATIONALLY VALID TESTS MEETING ACCEPTANCE CRITERIA







CAUSES FOR LOST TESTS

			Oil		Validity		Loss Rate			
Lab	Cause		78-2	79	LC	RC	XC	Lost	Starts	%
G	Sample F	Prep Error	0	1	0	0	1	1	43	2%
		Lost	0	1	0	0	1			
		Starts	11	119	130	130	130			
		%	0%	1%	0%	0%	1%			

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





Average Δ/s By Laboratory					
Lab	n	CIFAYI			
Α	33	-0.604			
В	39	0.155			
G	42	-0.378			
I	15	-0.494			
Industry	129	-0.288			

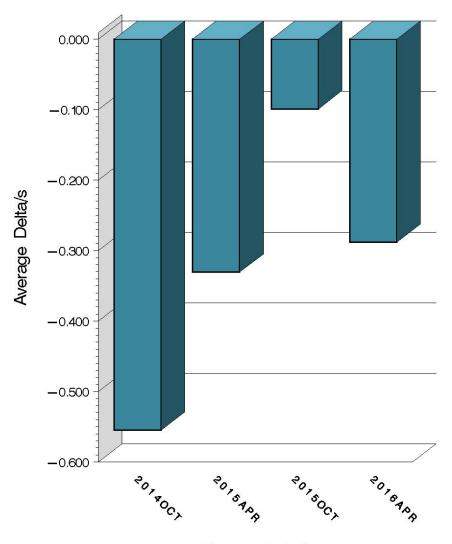
Individual test results can be found on the TMC Web Page at the following link:

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





AVERAGE DELTA/S



Report Period



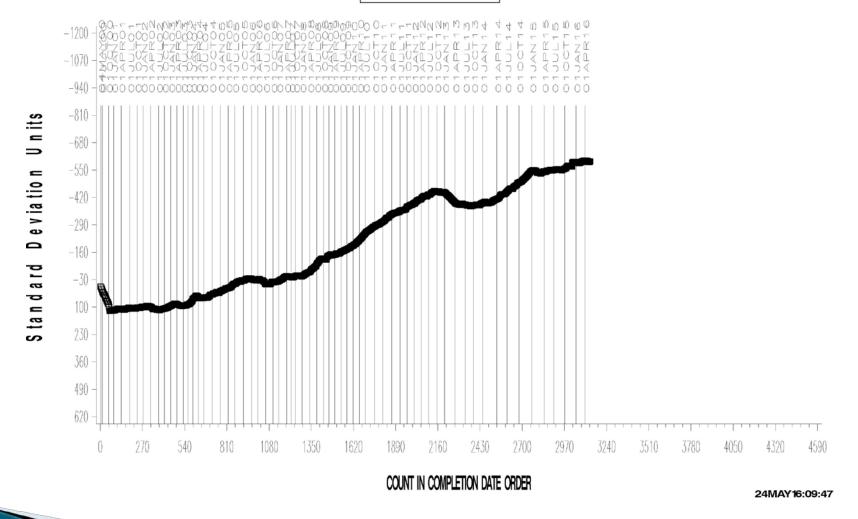


EOFT INDUSTRY OPERATIONALLY VALID DATA



20 - 25 ML CHANGE IN FLOWRATE AVERAGE (%)

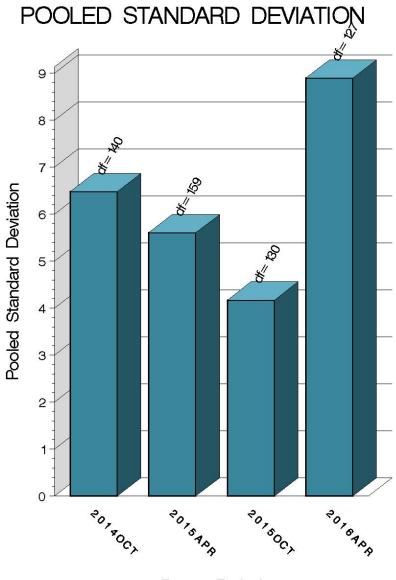
CUSUM Severity Analysis



Test Monitoring Center

http://astmtmc.cmu.edu





Report Period





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 8.90.

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	76	11,810	909.4	
Total	76	11,810	909.4	

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.



