



Test Monitoring Center

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

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

MEMORANDUM: 18-048
DATE: November 20, 2018
TO: Yong-Li McFarland,
Chairwoman, Engine Oil Filterability Test Surveillance Panel
FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*
SUBJECT: EOFT Testing from April 1, 2018 through September 30, 2018

A total of 149 EOFT 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/astm1018.doc/mem18-048.mtk.doc

cc: F. M. Farber

J. A. Clark

EOFT Surveillance Panel

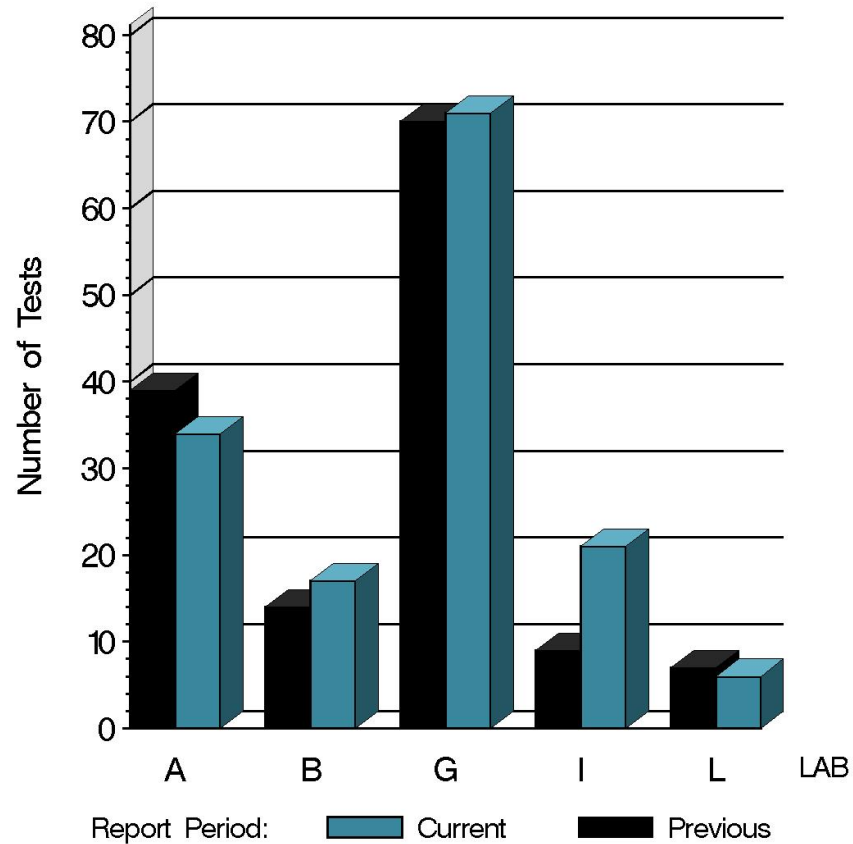
<http://www.astmtmc.cmu.edu/ftp/docs/bench/eoft/semiannualreports/eoft-10-2018.pdf>

Distribution: email

EOFT (D 6795)

Reporting Data	
Number of Labs	5

NUMBER OF TESTS REPORTED
BY LAB AND REPORT PERIOD



9:27:56 20NOV2018

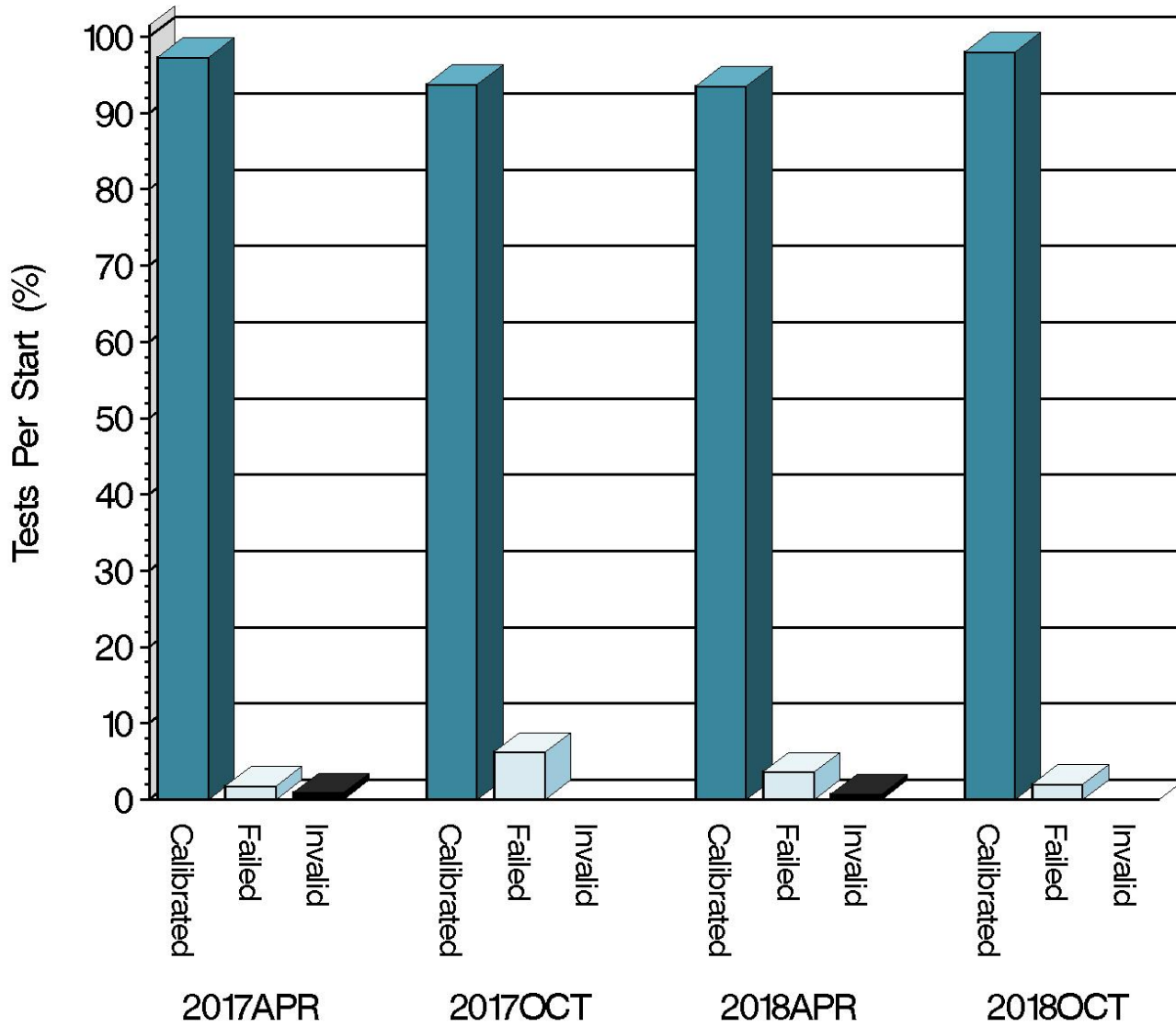
EOFT (D 6795)

Test Distribution by Oil and Validity

			Totals	
			This Period	Last Period
		79		
Accepted for Calibration	AC	146	146	130
Failed Acceptance Criteria	OC	3	3	4
Operationally Invalid (lab)	LC	0	0	0
Aborted Calibration	XC	0	0	1
Acceptable Shakedown	AS	0	0	2
Unacceptable Shakedown	OS	0	0	1
Total		149	149	138

EOFT (D 6795)

CALIBRATION ATTEMPT SUMMARY



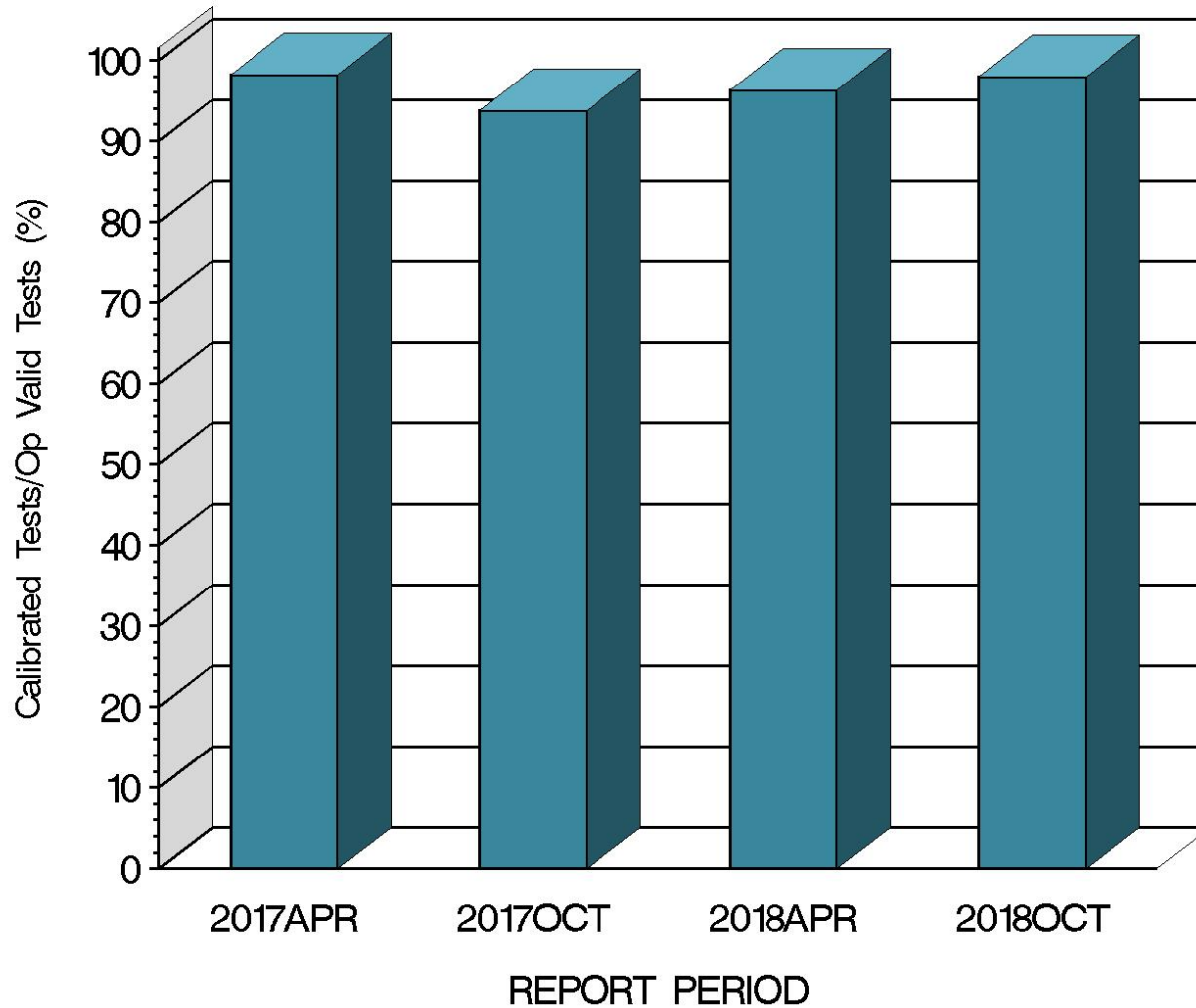
Resolution

Report Period

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OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA



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CAUSES FOR LOST TESTS

		Oil	Validity			Loss Rate		
Lab	Cause	79	LC	RC	XC	Lost	Starts	%
-	No Lost Tests	0	0	0	0	0	149	0
	Lost	0	0	0	0			
	Starts	149	149	149	149			
	%	0	0	0	0			

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

EOFT (D 6795)

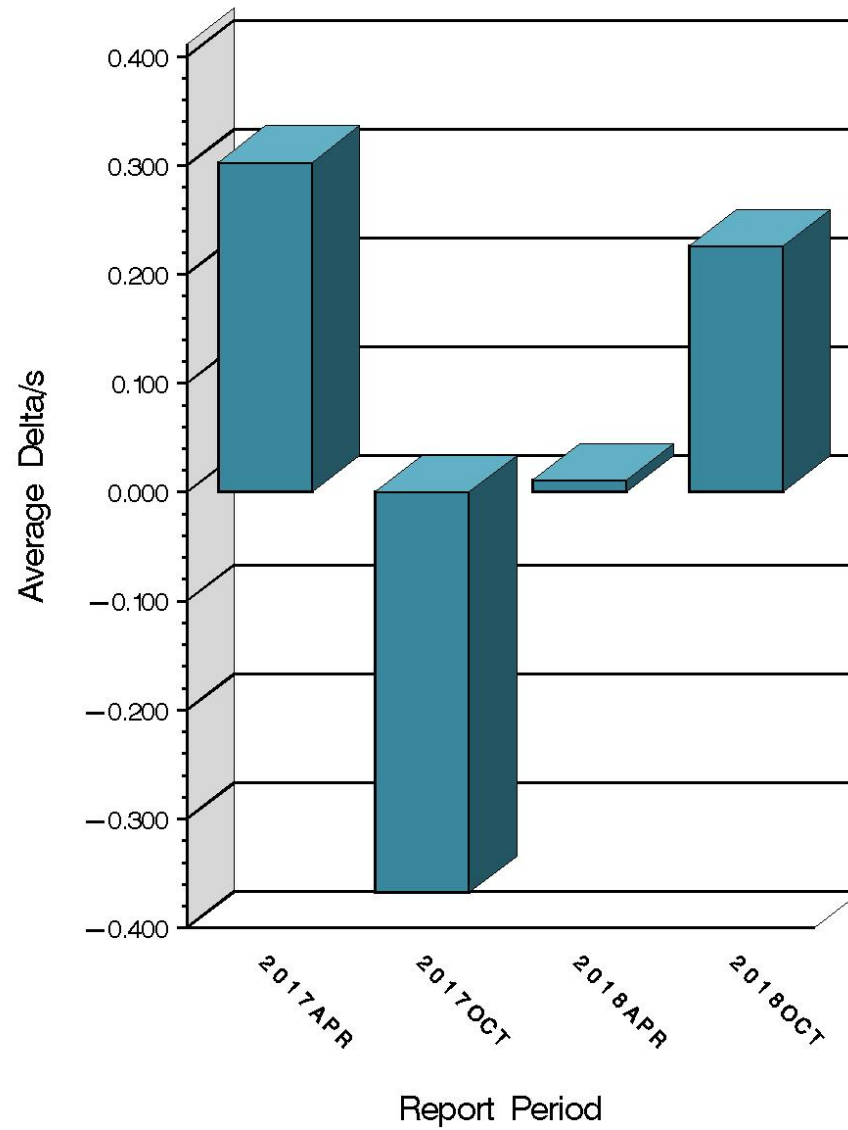
Average Δ/s By Laboratory		
Lab	n	CIFAYI
A	34	-0.429
B	17	0.022
G	71	0.153
I	21	1.228
L	6	1.872
Industry	149	0.226

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

<http://www.astmtmc.cmu.edu/ftp/refdata/bench/eoft/data/>

EOFT (D 6795)

AVERAGE DELTA/S



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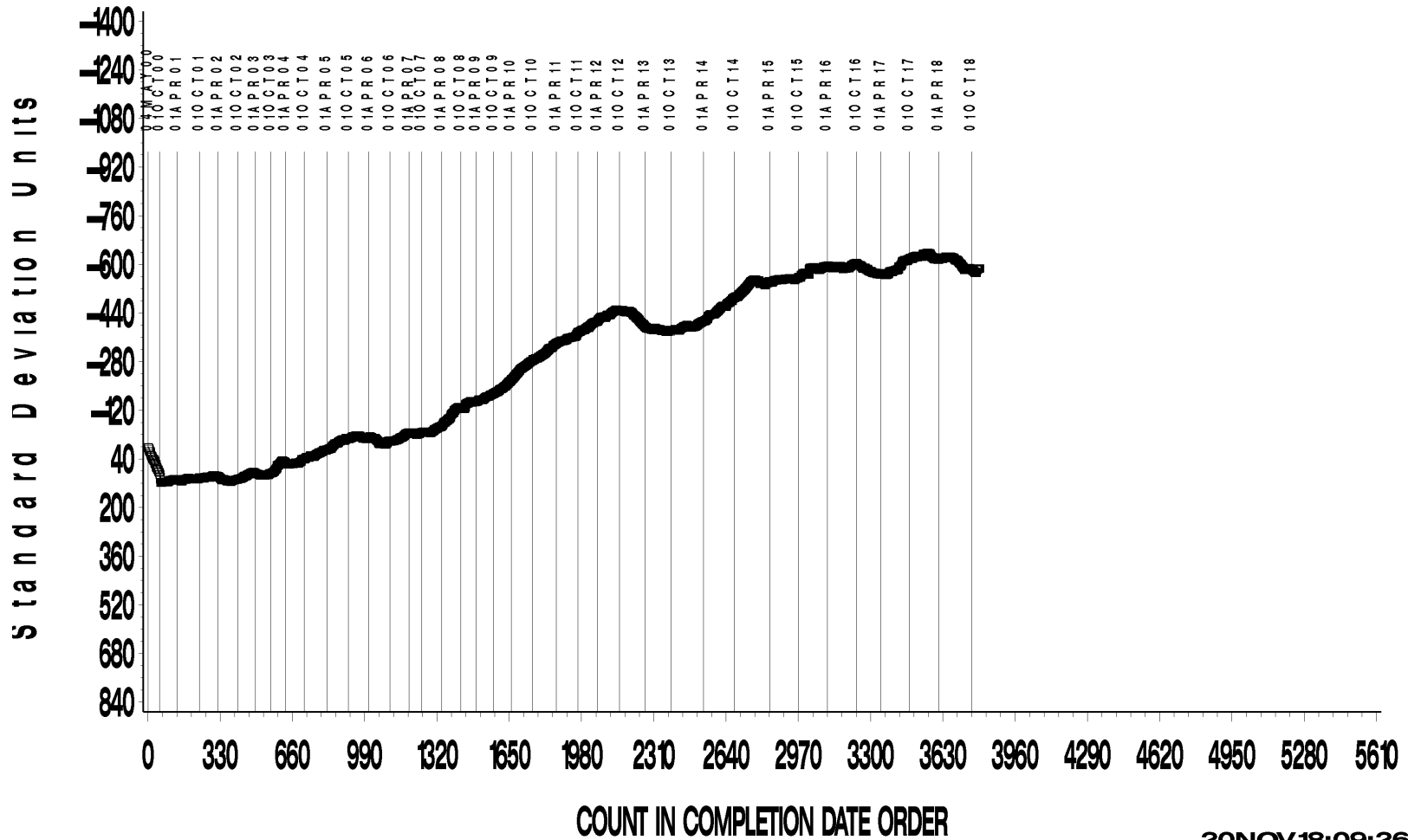
EOFT (D 6795)

EOFT INDUSTRY OPERATIONALLY VALID DATA



20 -25 ML CHANGE IN FLOWRATE AVERAGE (%)

CUSUM Severity Analysis



20NOV18:09:26

Test Monitoring Center

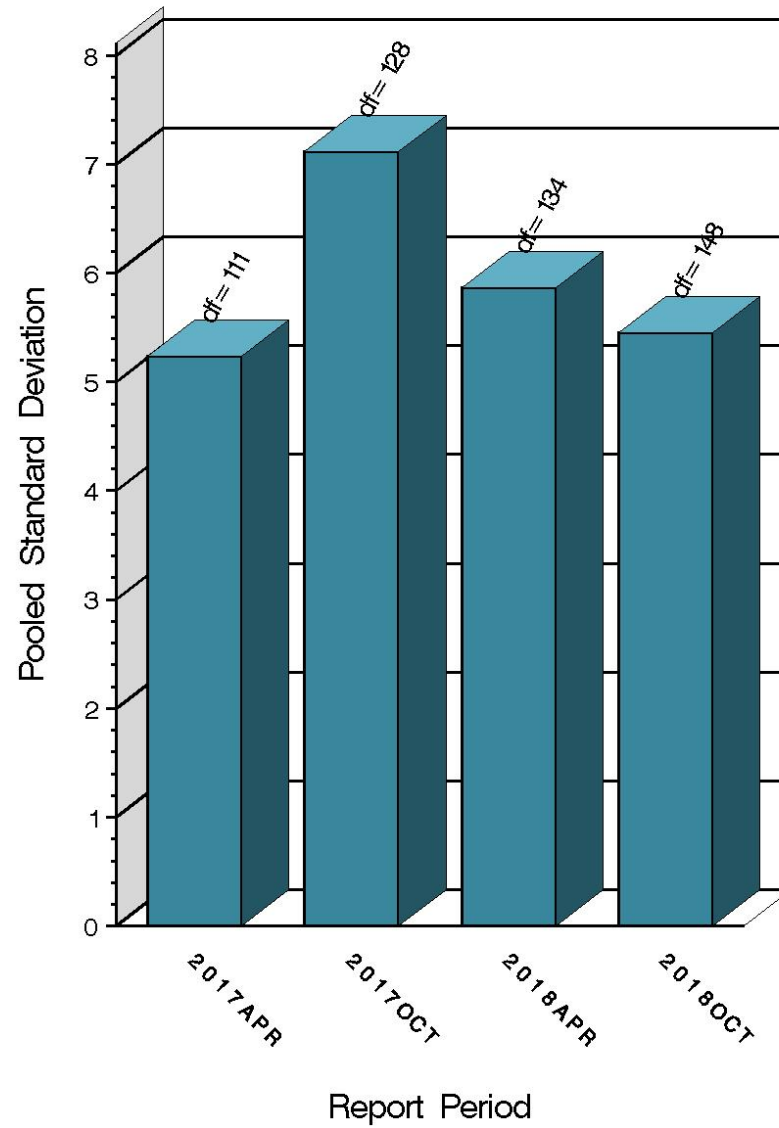
<http://astmtmc.cmu.edu>



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POOLED STANDARD DEVIATION



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SUMMARY OF SEVERITY & PRECISION

Severity

Over the course of this report period, CIFA severity, as measured by CUSUM plotting, is slightly mild for the period, with an average Δ/s value of 0.226.

Precision

Pooled s for this period is 5.45.

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

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INFORMATION LETTERS

No Information Letters were issued this period.

EOFT (D 6795)

STATUS OF REFERENCE OIL SUPPLY

Oil	Samples @ Labs	@ TMC	
		Samples (290 mL)	Gallons
79	105	8,343	642.5
Total	105	8,343	642.5