



Test Monitoring Center

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

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

MEMORANDUM: 15-041

DATE: November 17, 2015

TO: Yong-Li McFarland,
Chairwoman, Engine Oil Filterability Test Surveillance Panel

FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*

SUBJECT: EOFT Testing from April 1, 2015 through September 30, 2015

A total of 133 EOFT 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/mem15-041.mtk.doc

cc: F. M. Farber

J. A. Clark

EOFT Surveillance Panel

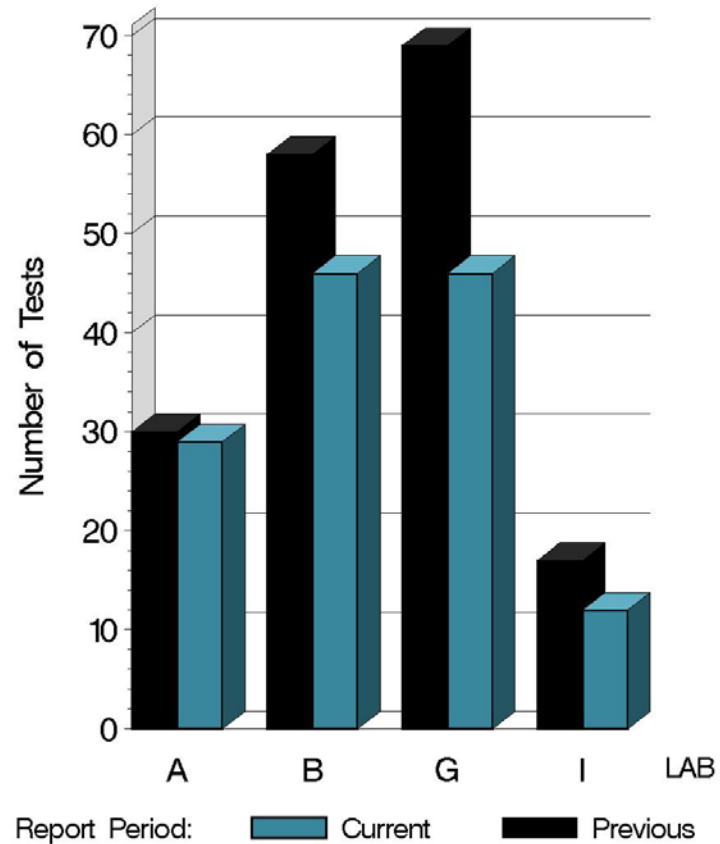
<ftp://ftp.astmtmc.cmu.edu/docs/bench/eoft/semiannualreports/eoft-10-2015.pdf>

Distribution: email

EOFT (D 6795)

Reporting Data	
Number of Labs	4

NUMBER OF TESTS REPORTED
BY LAB AND REPORT PERIOD



15:09:26 17NOV2015

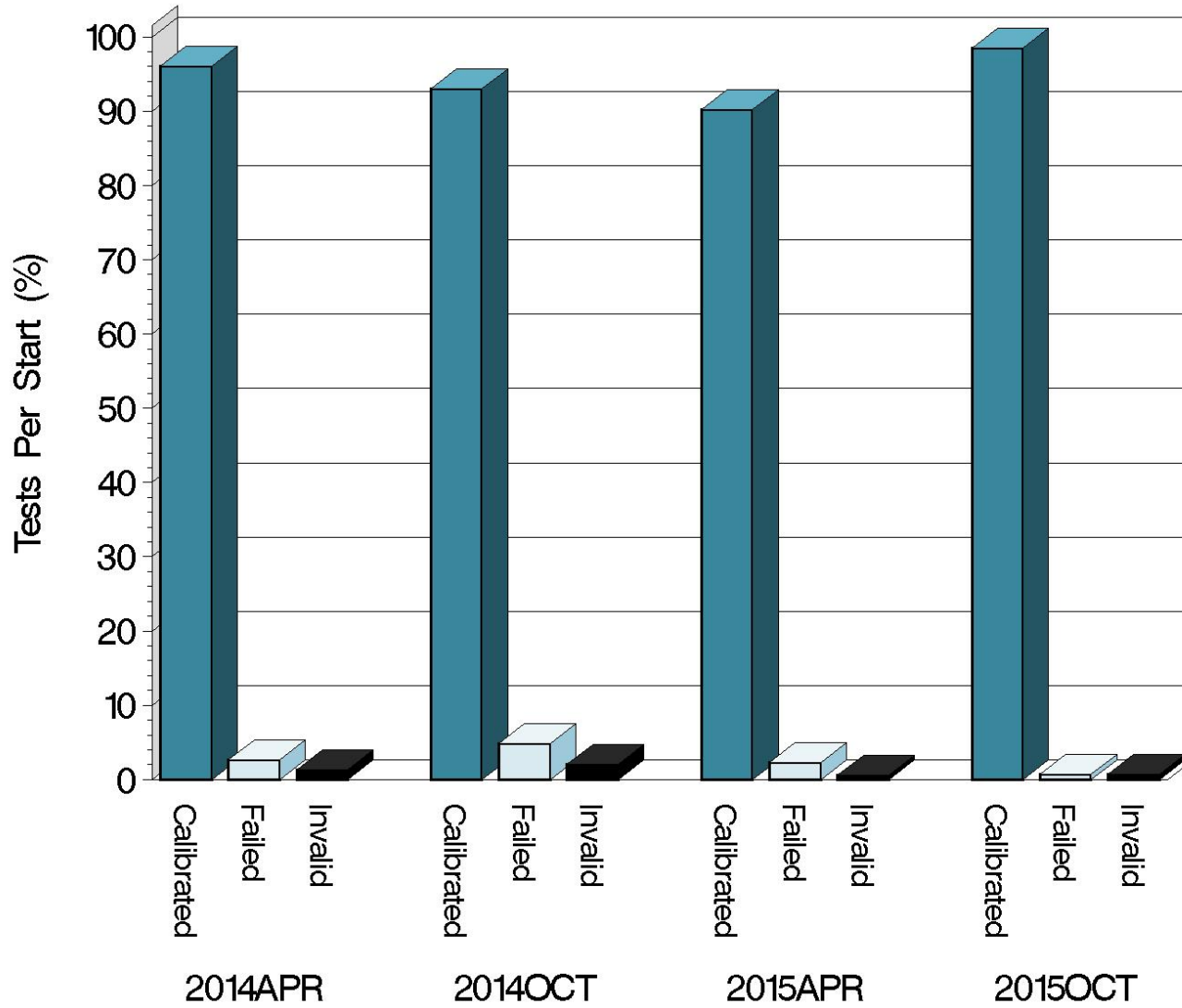
EOFT (D 6795)

Test Distribution by Oil and Validity

				Totals	
		78-2	79	This Period	Last Period
Accepted for Calibration	AC	47	84	131	148
Failed Acceptance Criteria	OC	1	0	1	4
Operationally Invalid (lab)	LC	0	1	1	0
Aborted Calibration	XC	0	0	0	0
Accepted for Target Generation	NI	0	0	0	11
Invalid Target Generation	LI	0	0	0	1
Total		48	85	133	164

EOFT (D 6795)

CALIBRATION ATTEMPT SUMMARY



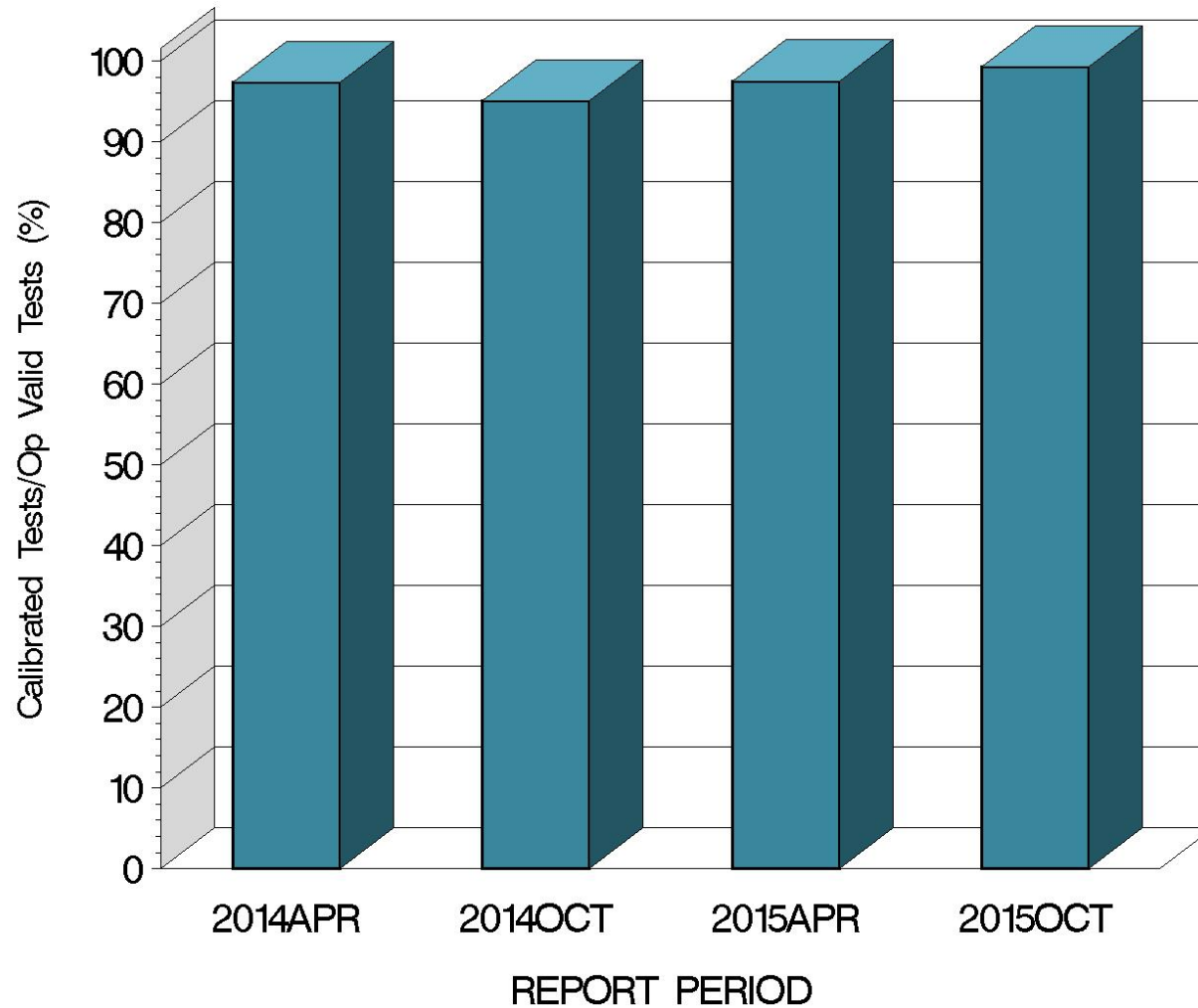
Resolution

Report Period

15:09:26 17NOV2015

EOFT (D 6795)

OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA



15:09:26 17NOV2015

EOFT (D 6795)

CAUSES FOR LOST TESTS

Lab	Cause	Oil		Validity			Loss Rate		
		78-2	79	LC	RC	XC	Lost	Starts	%
I	Ran as Wrong Test Type	0	1	1	0	0	1	12	8%
	Lost	0	0	1	0	0			
	Starts	48	85	133	133	133			
	%	0%	1%	1%	0%	0%			

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

EOFT (D 6795)

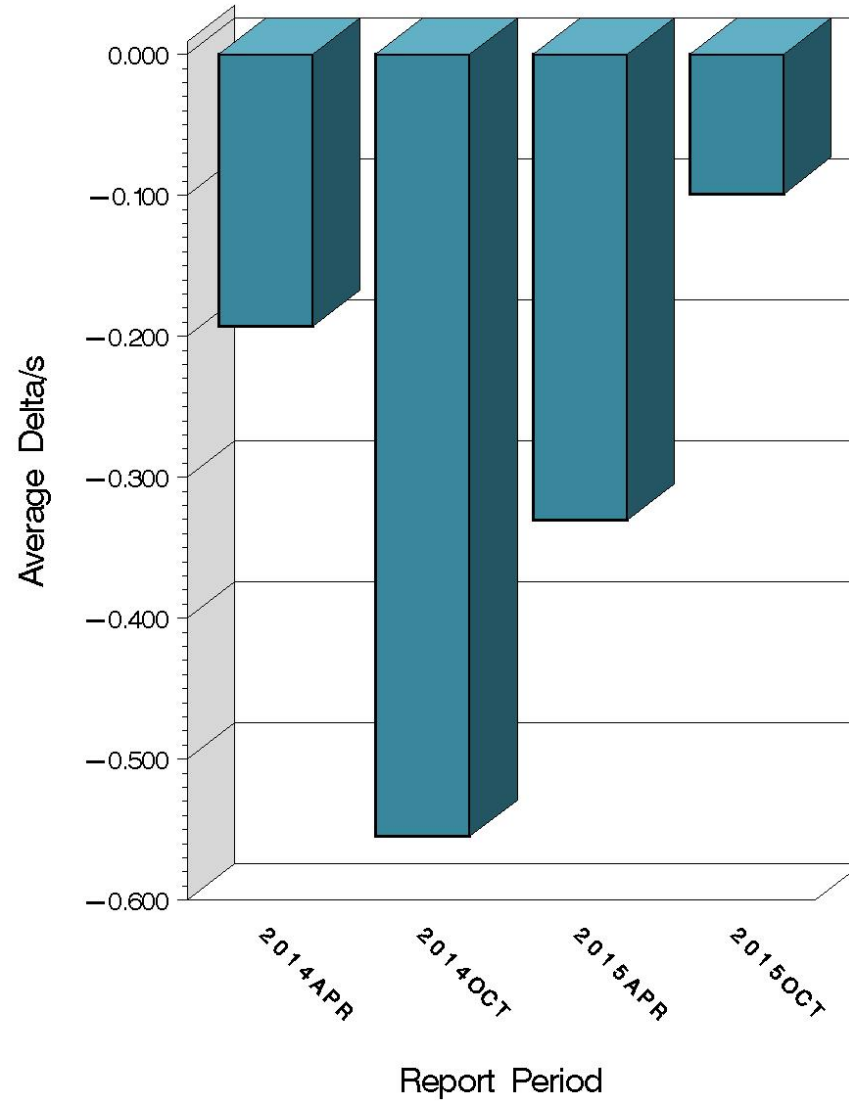
Average Δ /s By Laboratory		
Lab	n	CIFAYI
A	29	0.043
B	46	-0.405
G	46	0.295
I	11	-0.839
Industry	132	-0.099

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

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

EOFT (D 6795)

AVERAGE DELTA/S



15:09:26 17NOV2015

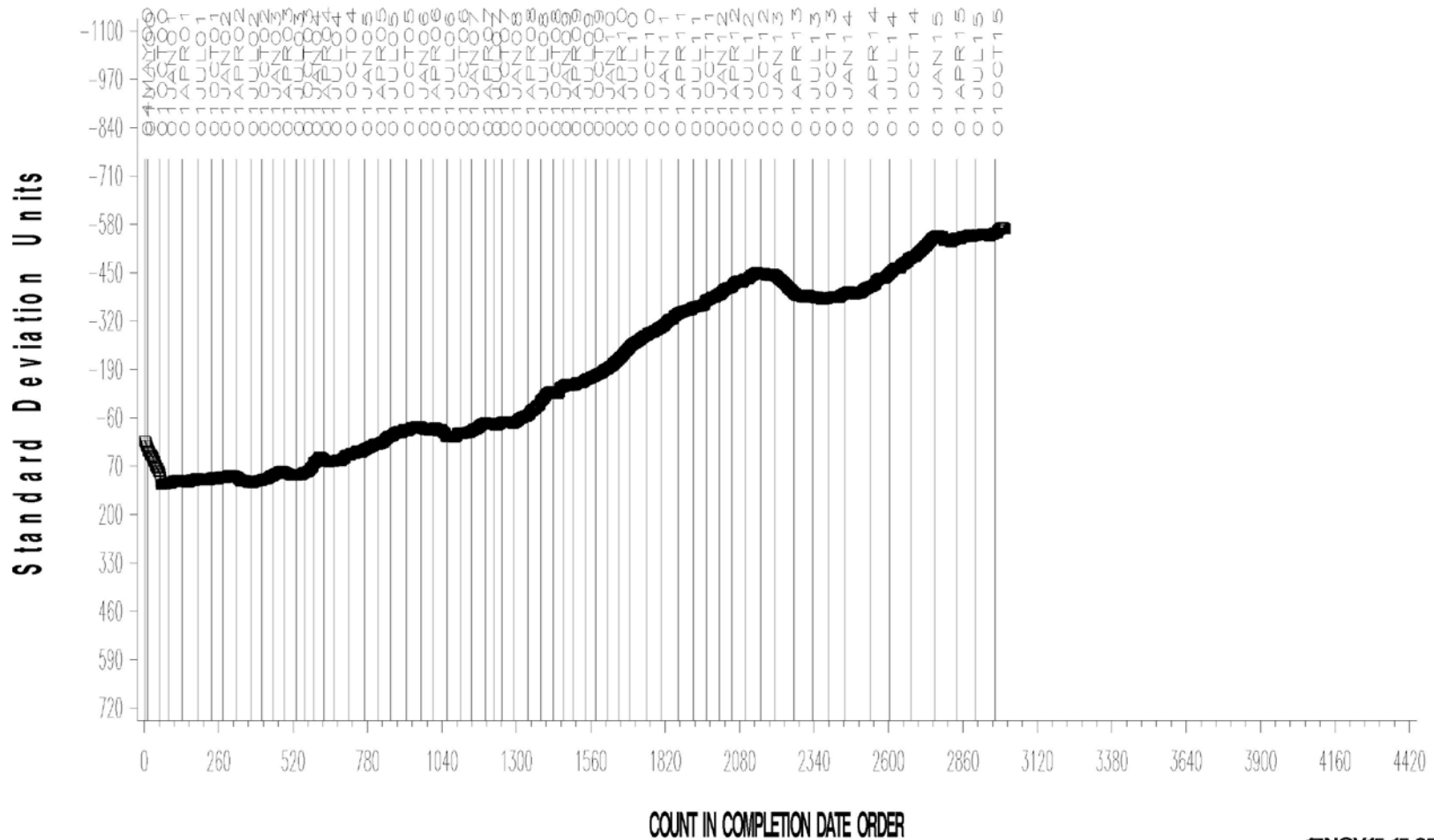
EOFT (D 6795)

EOFT INDUSTRY OPERATIONALLY VALID DATA



20 – 25 ML CHANGE IN FLOWRATE AVERAGE (%)

CUSUM Severity Analysis

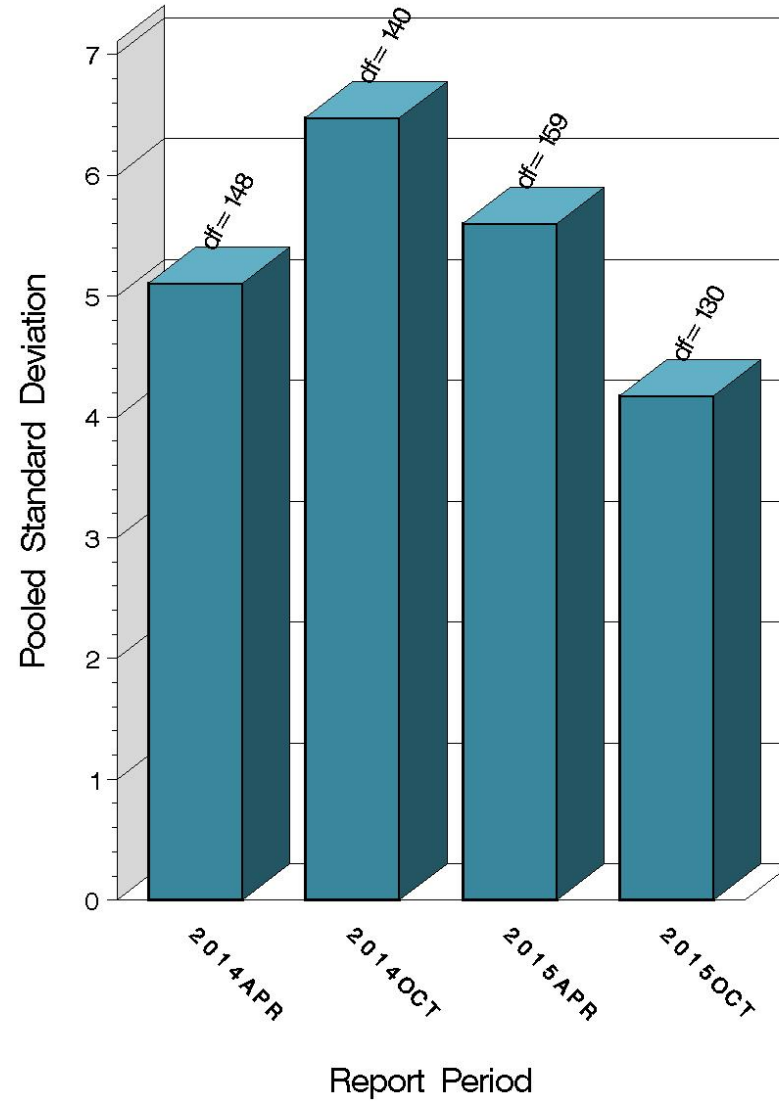


17 NOV 15: 15:05



EOFT (D 6795)

POOLED STANDARD DEVIATION



15:09:26 17NOV2015

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 4.17.

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

EOFT (D 6795)

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
78-2	8	0	0.0
79	71	12,290	946.4
Total	79	12,290	946.4

The TMC inventory of oil 78-2 is depleted, and lab inventories are nearly depleted as well.

The TMC has procured a reblend of oil 78-2, called reference oil 79, which was introduced into EOFT testing last period.