



Test Monitoring Center

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

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

MEMORANDUM: 14-012

DATE: May 21, 2014

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

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

SUBJECT: EOFT Testing from October 1, 2013 through March 31, 2014

A total of 151 EOFT tests were reported to the Test Monitoring Center during the report period from October 1, 2013 through March 31, 2014.

Please find attached a summary of testing activity this period.

MTK/mtk/astm0414.doc/mem14-012.mtk.doc

cc: F. M. Farber

J. A. Clark

EOFT Surveillance Panel

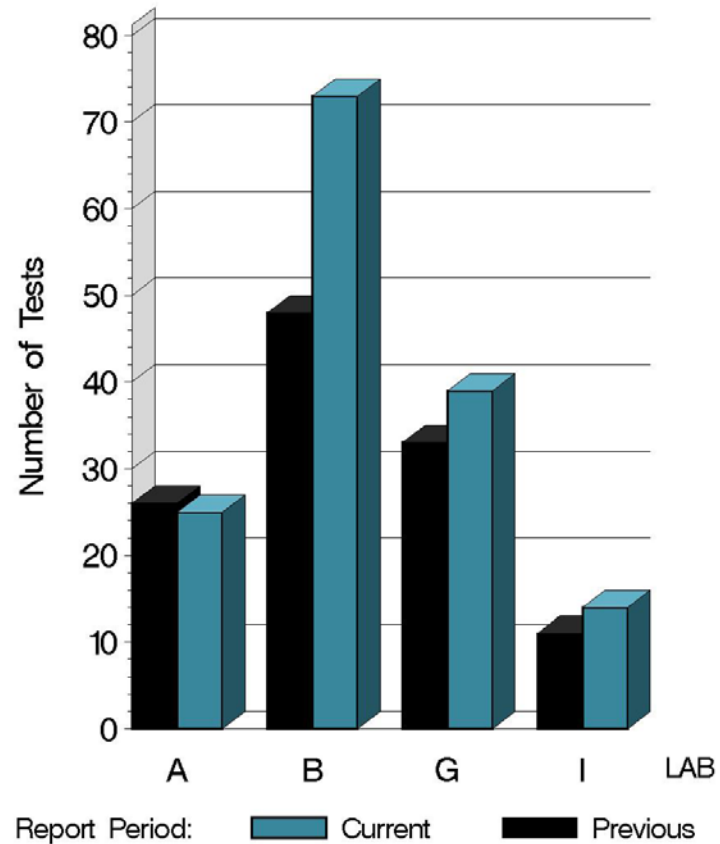
<ftp://ftp.astmtmc.cmu.edu/docs/bench/eoft/semiannualreports/eoft-04-2014.pdf>

Distribution: email

EOFT (D 6795)

Reporting Data	
Number of Labs	4

NUMBER OF TESTS REPORTED
BY LAB AND REPORT PERIOD



S40:42 21MAY2014

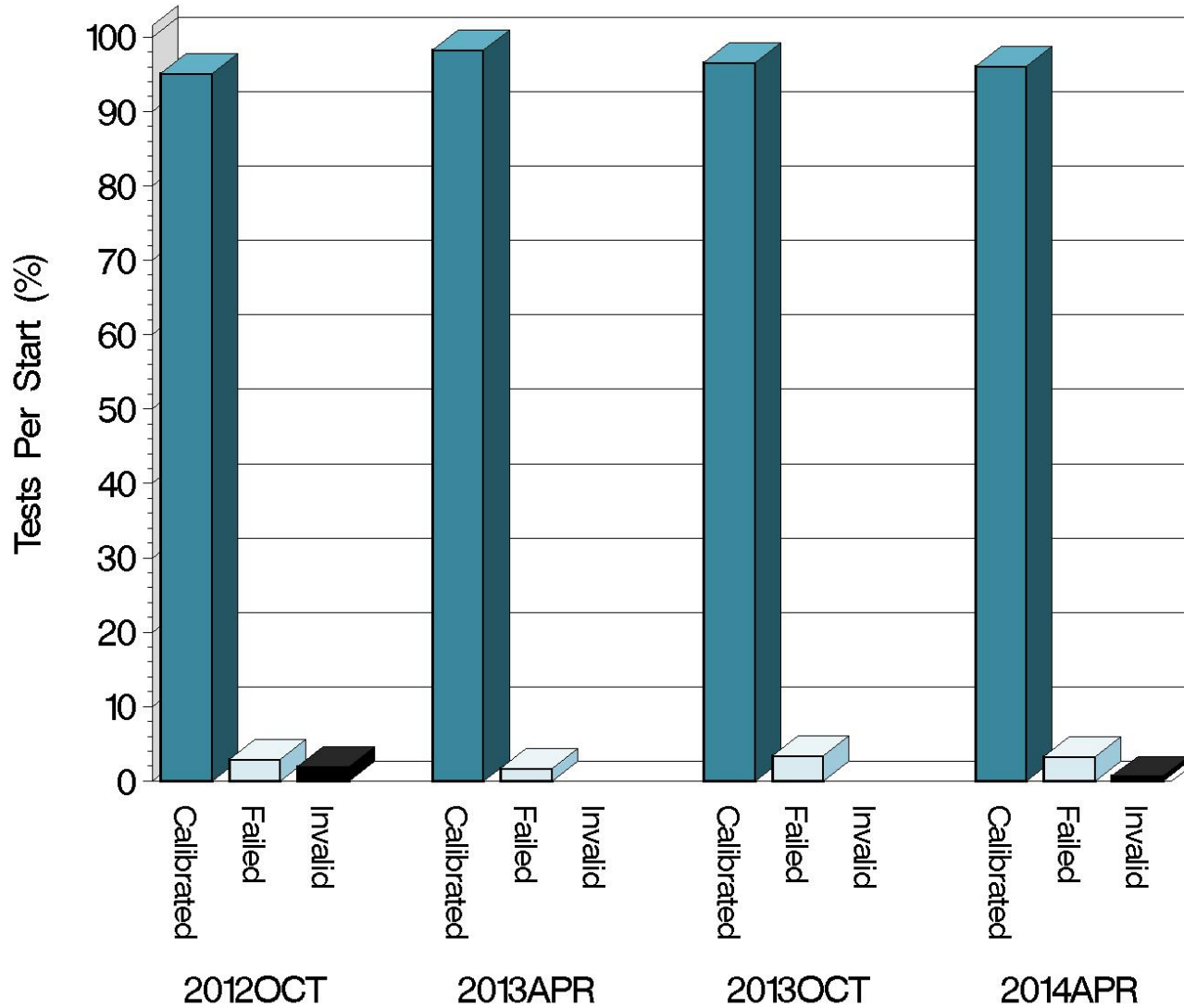
EOFT (D 6795)

Test Distribution by Oil and Validity

		Totals			
		78-1	78-2	This Period	Last Period
Accepted for Calibration	AC	0	145	145	113
Accepted for Target Generation	AG	0	0	0	0
Failed Acceptance Criteria	OC	0	5	5	4
Operationally Invalid (lab)	LC	0	0	0	0
Operationally Invalid (lab/TMC)	RC	0	0	0	0
Aborted Calibration	XC	0	1	1	0
Total		0	151	151	117

EOFT (D 6795)

CALIBRATION ATTEMPT SUMMARY



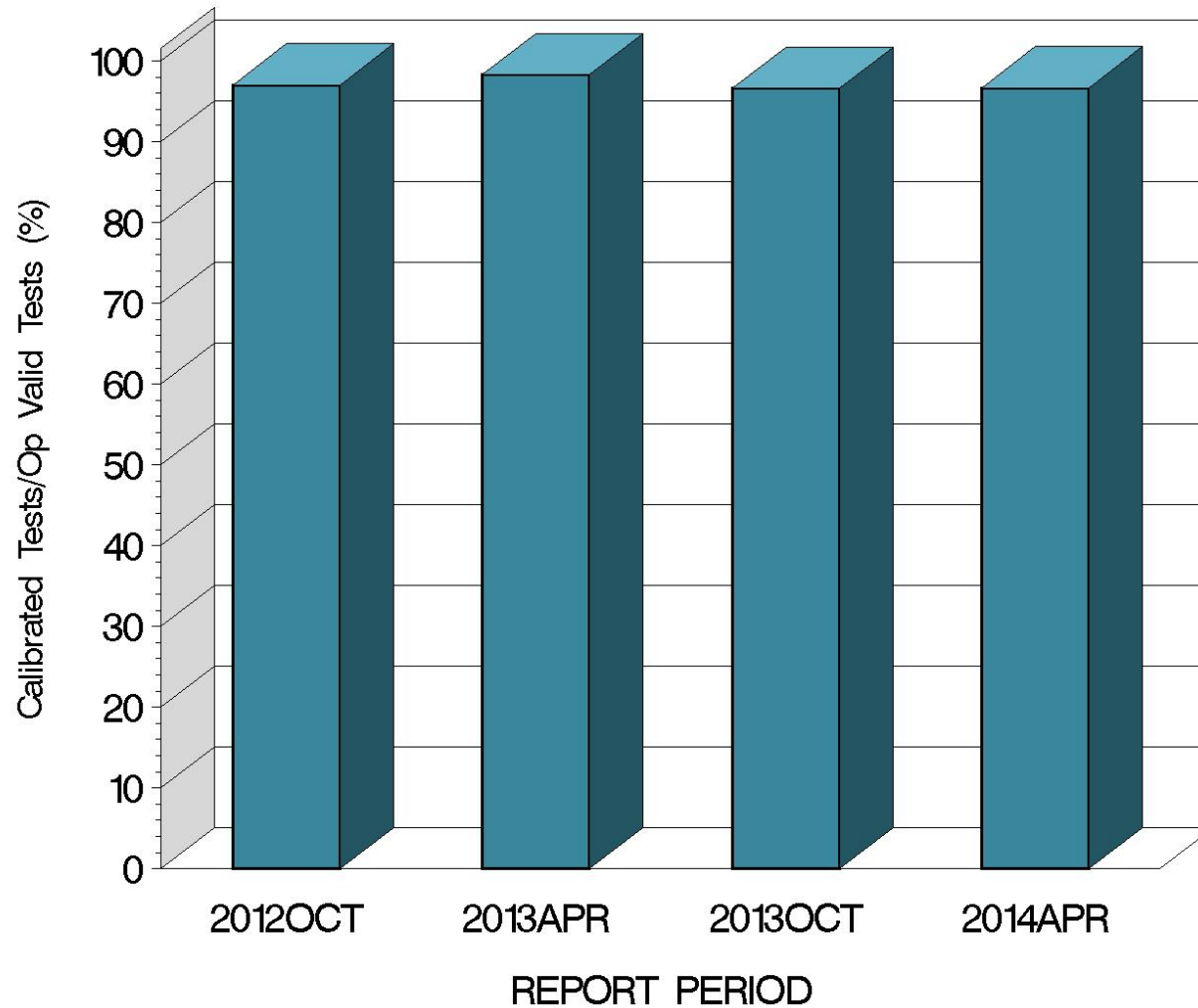
Resolution

Report Period

9:40:42 21MAY2014

EOFT (D 6795)

OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA



9:40:42 21MAY2014

EOFT (D 6795)

CAUSES FOR LOST TESTS

Lab	Cause	Oil		Validity			Loss Rate		
		78-1	78-2	LC	RC	XC	Lost	Starts	%
B	Sample Prep Error	0	1	0	0	1	1	73	1%
	Lost	0	1	0	0	1			
	Starts	0	151	151	151	151			
	%	0%	1%	0%	0%	1%			

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

EOFT (D 6795)

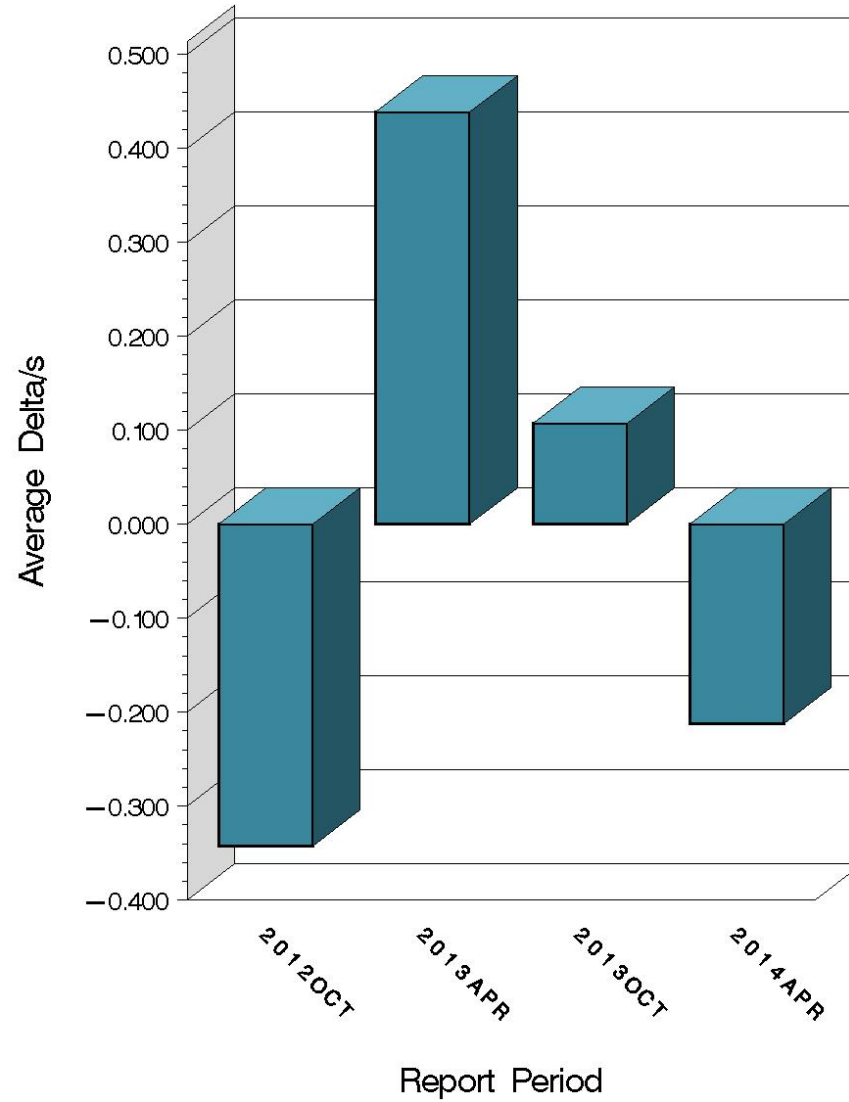
Average Δ/s By Laboratory		
Lab	n	CIFAYI
A	25	0.051
B	72	-0.485
G	39	0.256
I	14	-0.582
Industry	150	-0.212

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



9:40:42 21MAY2014

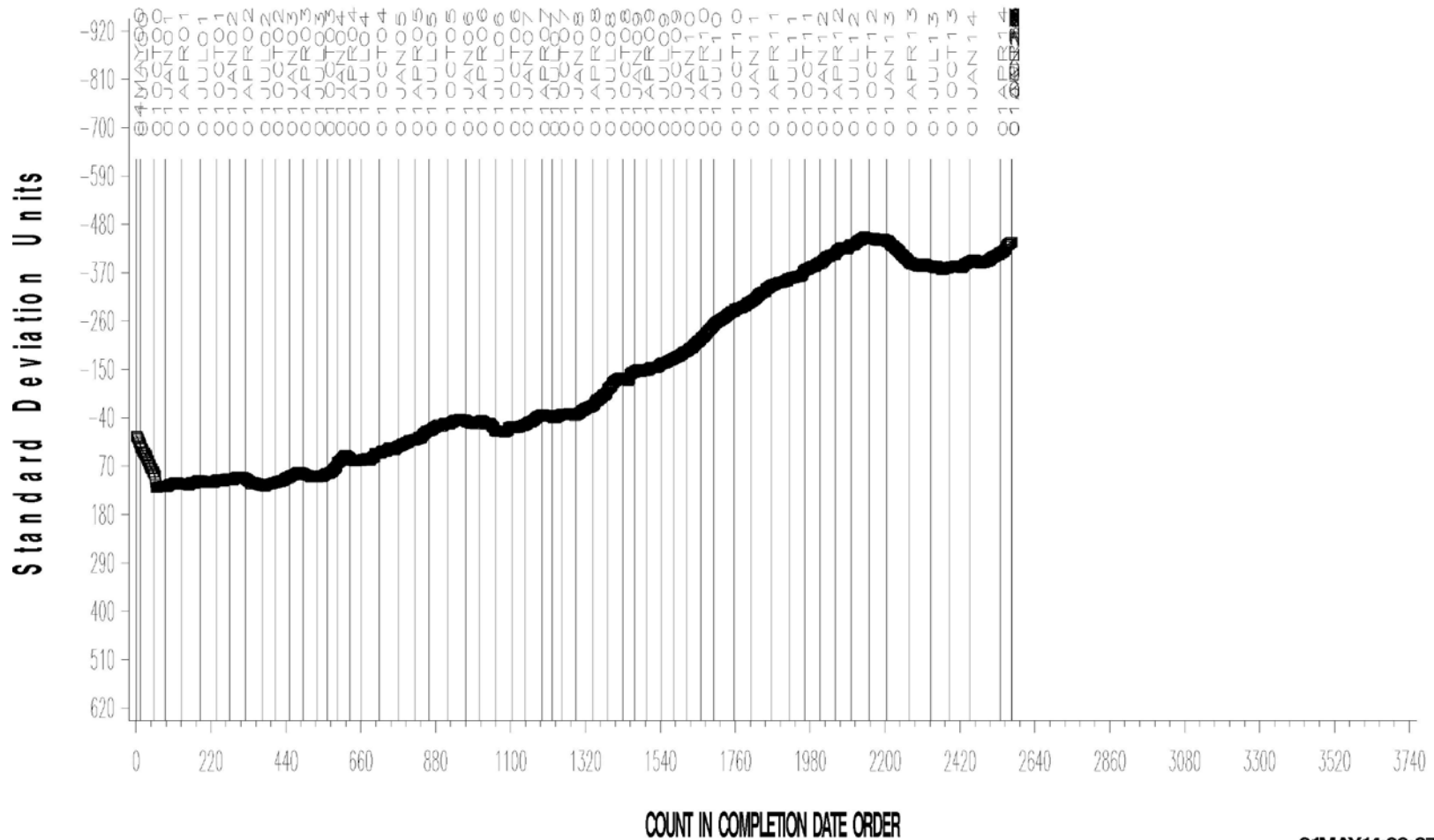
EOFT (D 6795)

EOFT INDUSTRY OPERATIONALLY VALID DATA



20 – 25 ML CHANGE IN FLOWRATE AVERAGE (%)

CUSUM Severity Analysis

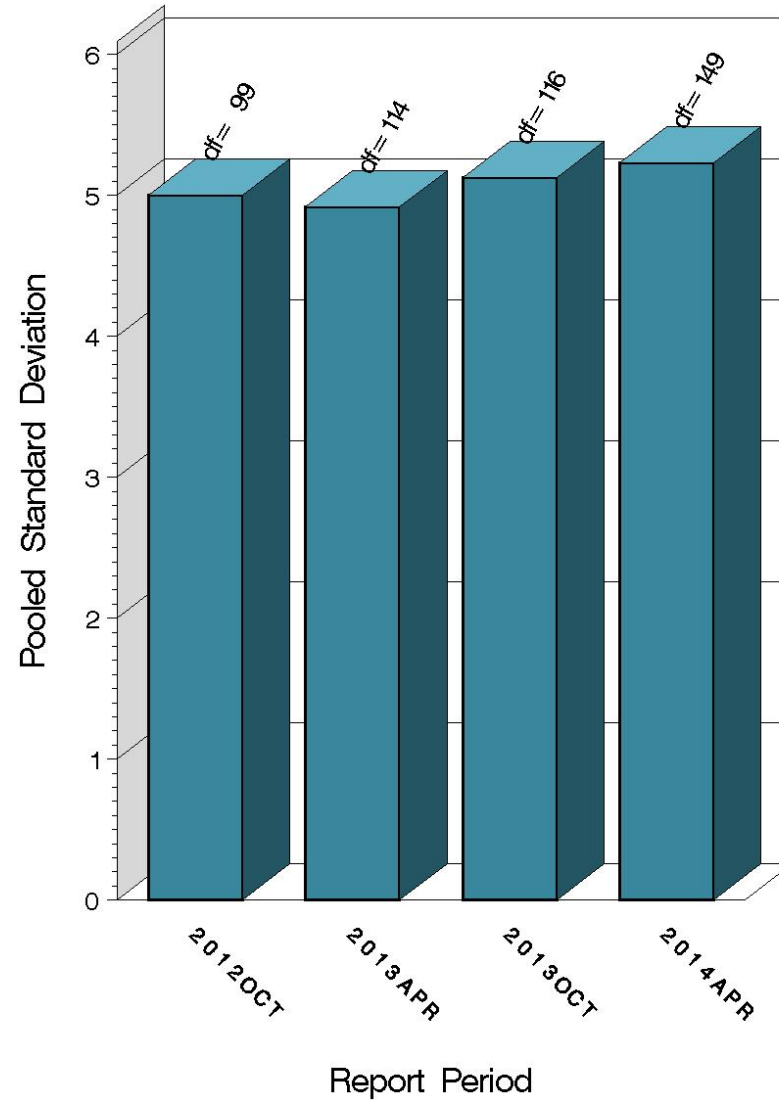


21MAY14:09:37



EOFT (D 6795)

POOLED STANDARD DEVIATION



9:40:42 21MAY2014

EOFT (D 6795)

SUMMARY OF SEVERITY & PRECISION

Severity

Over the course of this report period, CIFA severity, as measured by CUSUM plotting, was slightly mild for the period, but also appears to be resuming the mild trend that has existed for several years in the test.

Precision

Pooled s for this period is 5.23.

Precision, as measured by pooled standard deviation, has degraded slightly compared to last period, but is still 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
78-1	0	0	0
78-2	127	772	59.5
Total	127	772	59.5

The TMC inventory of oil 78-2 is nearly depleted.
Work has begun to procure a reblend; reference oil 78-3.