



Test Monitoring Center


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

MEMORANDUM: 12-037

DATE: November 19, 2012

TO: Brian Koehler, Chairman, High Temperature Cyclic Durability Test
Surveillance Panel

FROM: Scott Parke 

SUBJECT: HTCT Testing from April 1, 2012 through September 30, 2012

Please find attached a summary of testing activity this period.

SDP/sdp/mem12-037.sdp.doc

cc: Frank Farber

Jeff Clark

HTCT Surveillance Panel

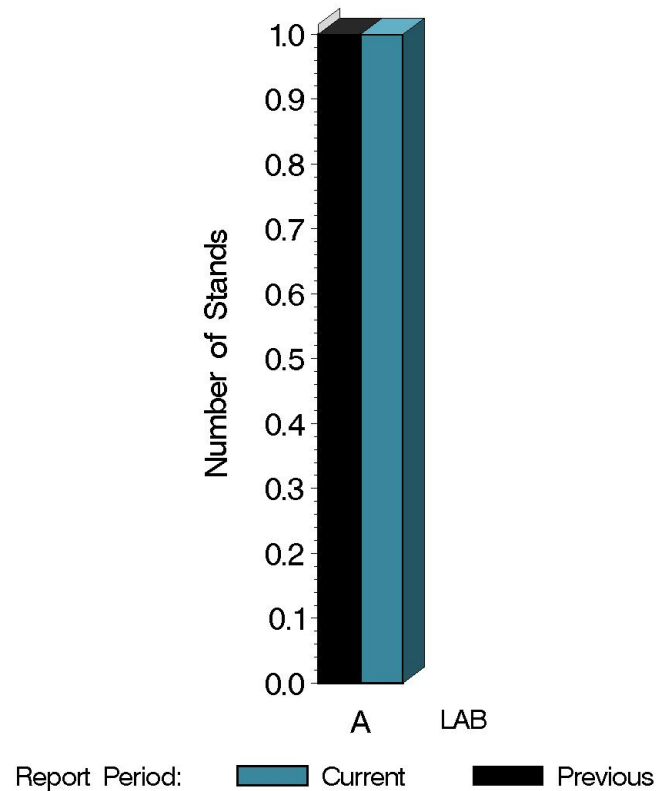
<ftp://ftp.astmtmc.cmu.edu/docs/gear/htct/semiannualreports/htct-10-2012.pdf>

Distribution: email

High Temperature Cyclic Transmission

	Reporting Data	Calibrated on 9-30-12
Number of Labs	1	1
Number of Stands	1	1

BY-LAB STAND
DISTRIBUTION



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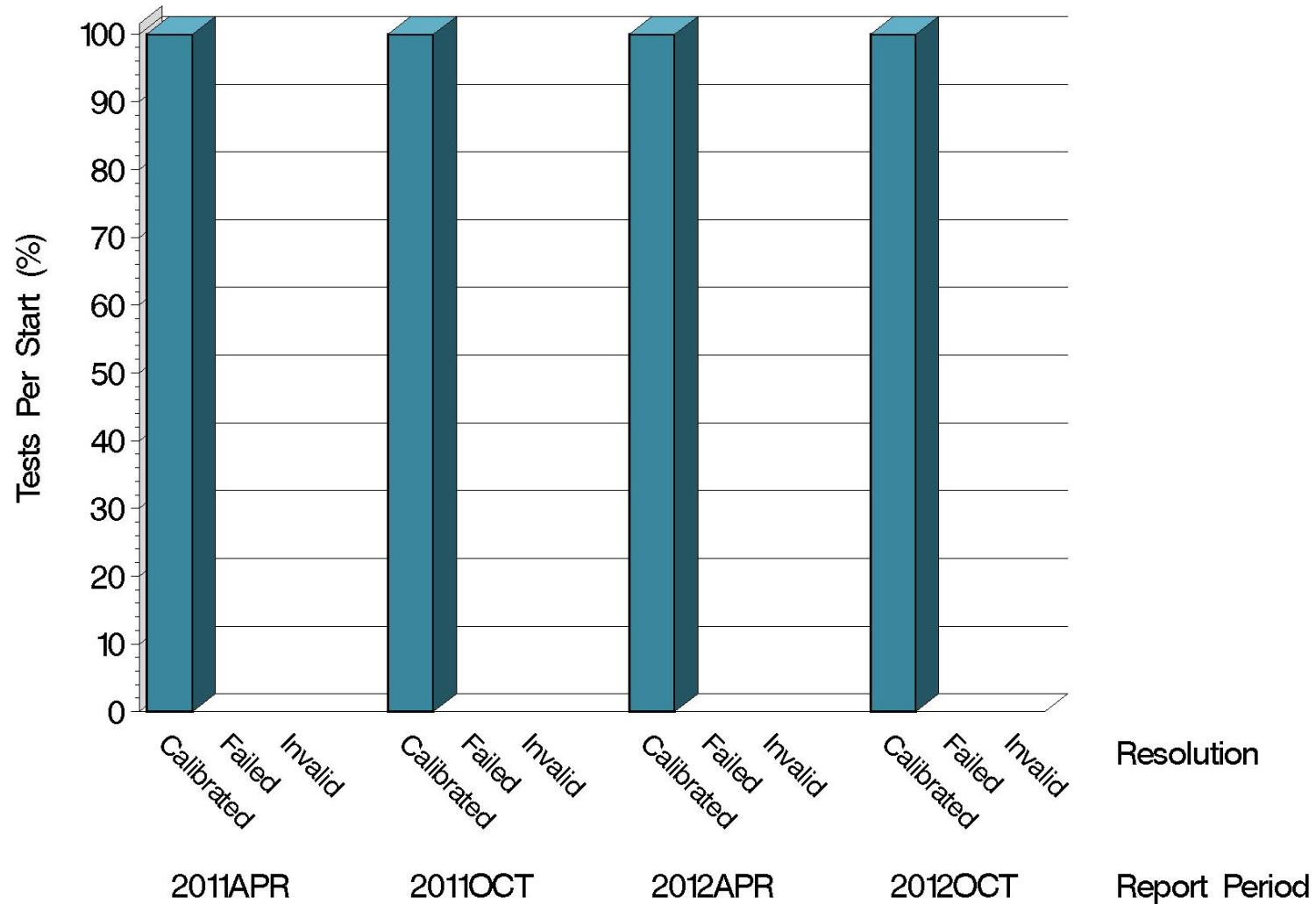
High Temperature Cyclic Transmission

Test Distribution by Oil and Validity

					Totals	
		150-2	155	155-1	Last Period	This Period
Accepted for calibration	AC	0	0	1	1	1
Rejected (Mild)	OC	0	0	0	0	0
Rejected (Severe)	OC	0	0	0	0	0
Rejected (Precision)	OC	0	0	0	0	0
Invalidated calibration	LC	0	0	0	0	0
Aborted	XC	0	0	0	0	0
Accepted information run	NI	1	0	0	0	1
Total		1	0	1	1	2

High Temperature Cyclic Transmission

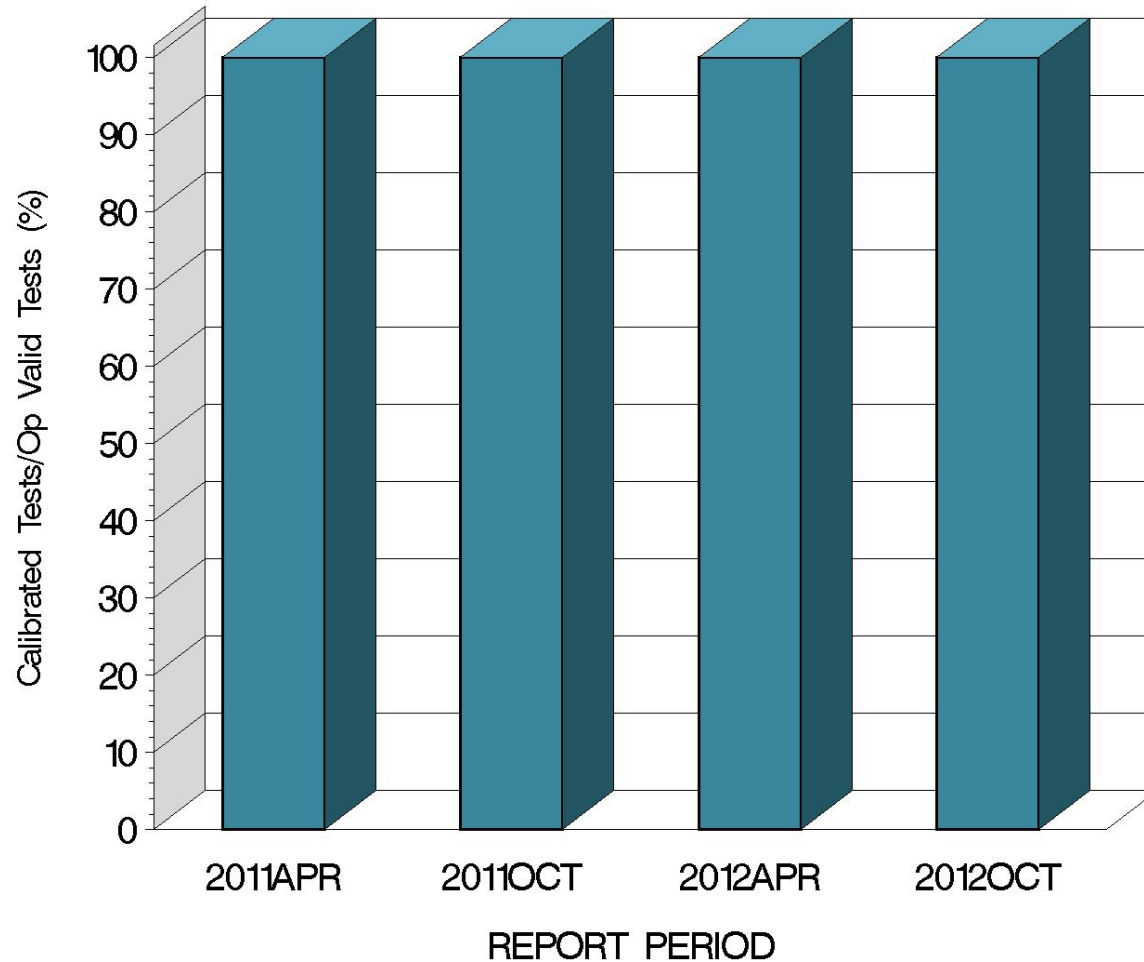
CALIBRATION ATTEMPT SUMMARY



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High Temperature Cyclic Transmission

OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA



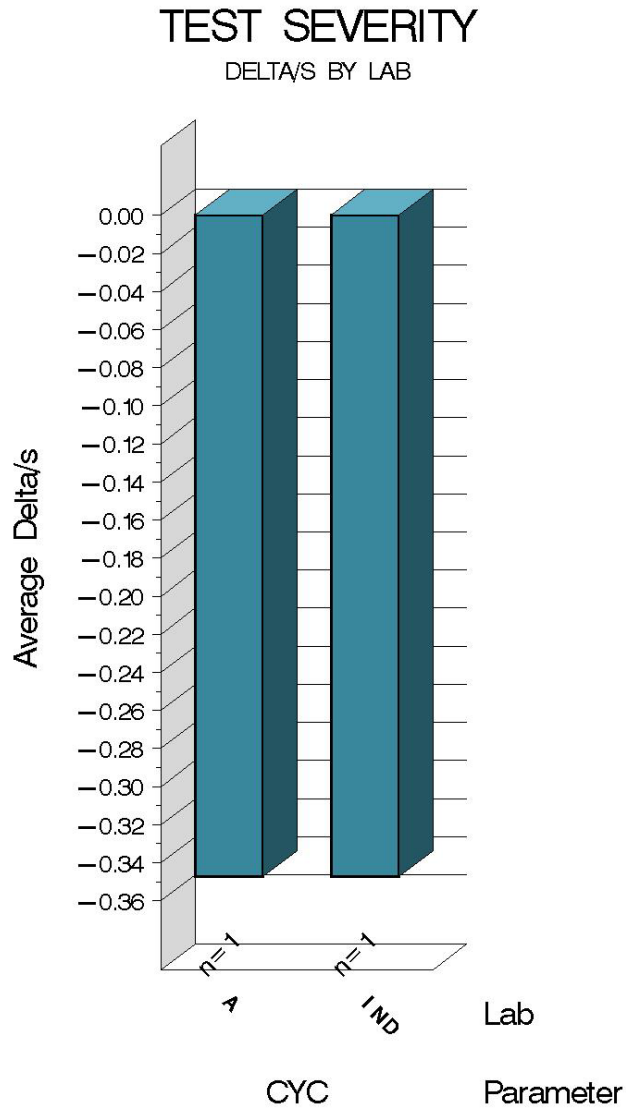
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High Temperature Cyclic Transmission

CAUSES FOR LOST TESTS

		Oil			Validity			Loss Rate		
Lab	Cause	150-2	155	155-1	RC	LC	XC	Lost	Starts	%
	No tests were lost this period.							0	2	0%
	Lost	0	0	0	0	0	0			
	Starts	1	0	1	2	2	2			
	%	0%	0%	0%	0%	0%	0%			

High Temperature Cyclic Transmission

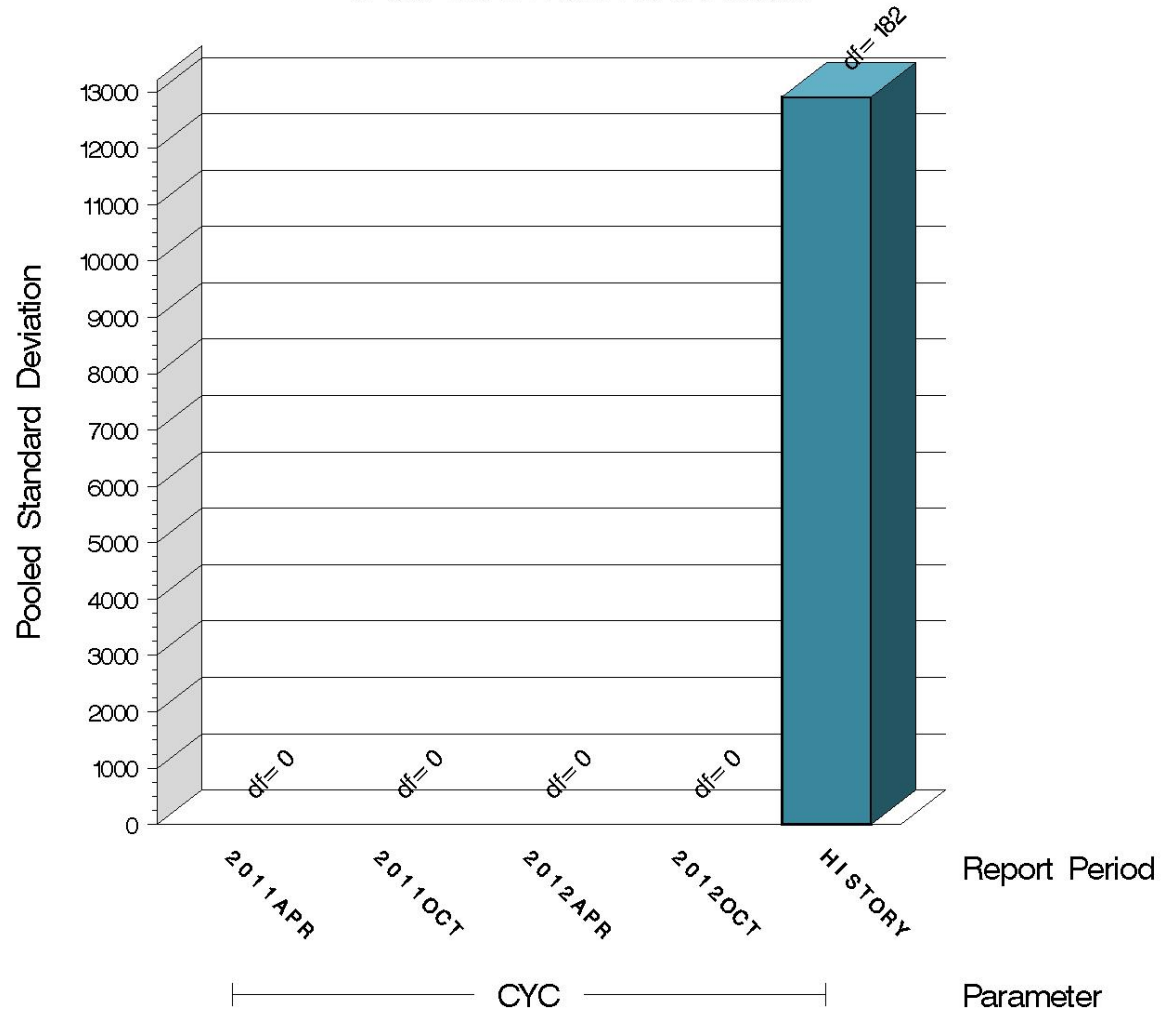


Average Δ/s by Lab		
Lab	n	CYC
A	1	-0.35
Industry	1	-0.35
Shift	1	-3354

High Temperature Cyclic Transmission

TEST PRECISION

POOLED STANDARD DEVIATION
BY SIX-MONTH ASTM REPORT PERIOD



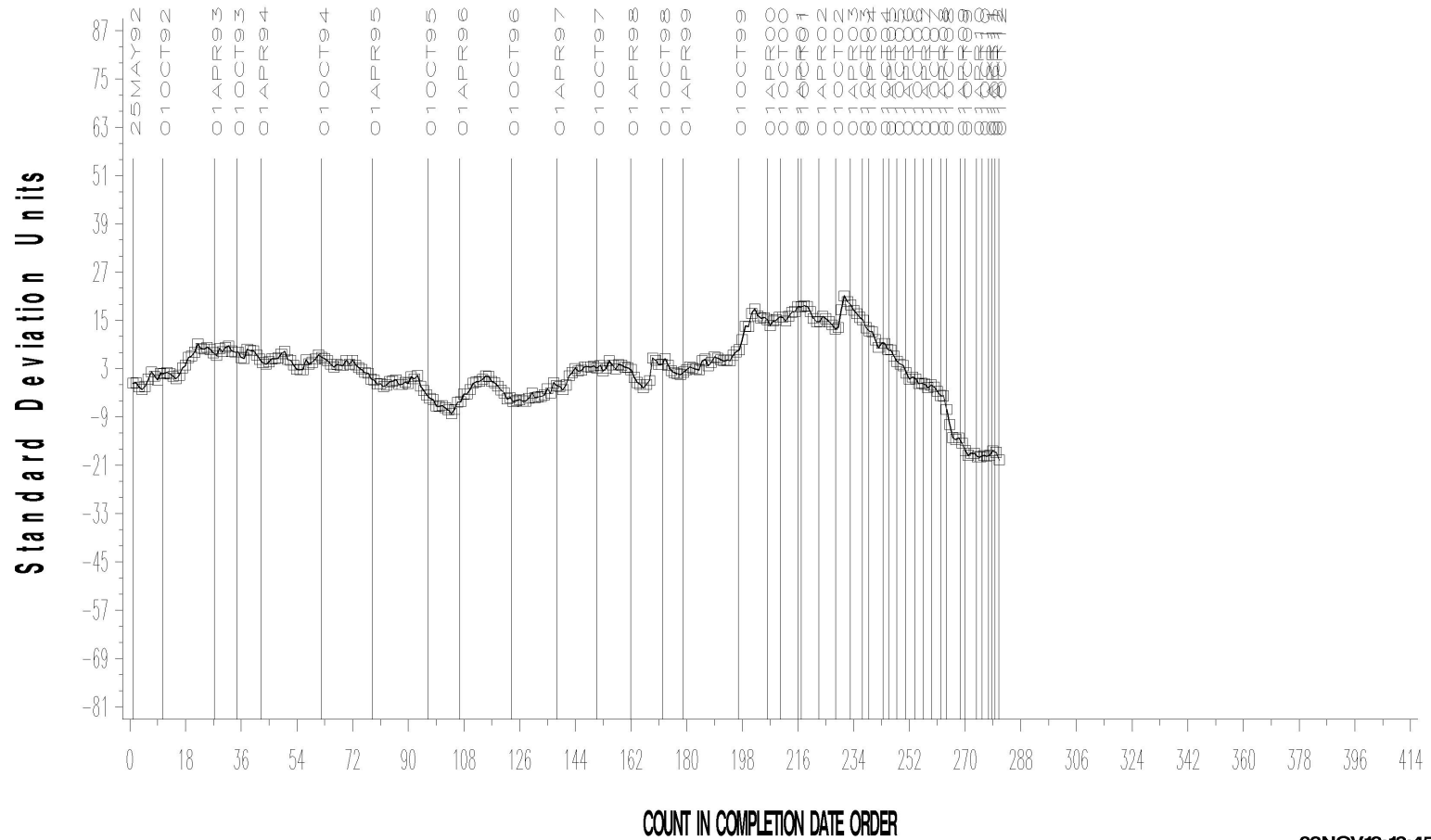
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High Temperature Cyclic Transmission

HTCT INDUSTRY OPERATIONALLY VALID DATA

END OF TEST CYCLES

CUSUM Severity Analysis



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High Temperature Cyclic Transmission

TIMELINE ADDITIONS

Effective Date	Information Letter	Event
20120602		First 155-1 run
20120924		First test using FSB 431-003 range clutch synchronizer components

High Temperature Cyclic Transmission

LAB VISITS

No HTCT lab visits were conducted during this period.

INFORMATION LETTERS

No HTCT information letters were issued during this period.

High Temperature Cyclic Transmission

STATUS OF REFERENCE OIL SUPPLY

Oil	Cans @ Labs	@ TMC	
		Cans	Gallons
150-2	0	3	33.7
154	2	16	176.0
155	0	3	36.4
155-1	2	39	433.8
Total	4	61	679.8

The TMC quantity remaining presumes usage only for HTCT testing. Oil 155/155-1 is also used in other test areas (most notably L-37 and L-37-1). The reblended oil 155-1 was introduced this period. A total of 3 tests-worth of oil 150-2 remain. Oil 154 is the replacement and is ready for introduction. The Surveillance Panel has not yet devised a scheme for introducing this oil.