



Test Monitoring Center


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

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

MEMORANDUM: 15-007

DATE: April 8, 2015

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

FROM: Scott Parke 

SUBJECT: HTCT Testing from October 1, 2014 through March 31, 2015

Please find attached a summary of testing activity this period.

SDP/sdp/mem15-007.sdp.doc

cc: Frank Farber

Jeff Clark

HTCT Surveillance Panel

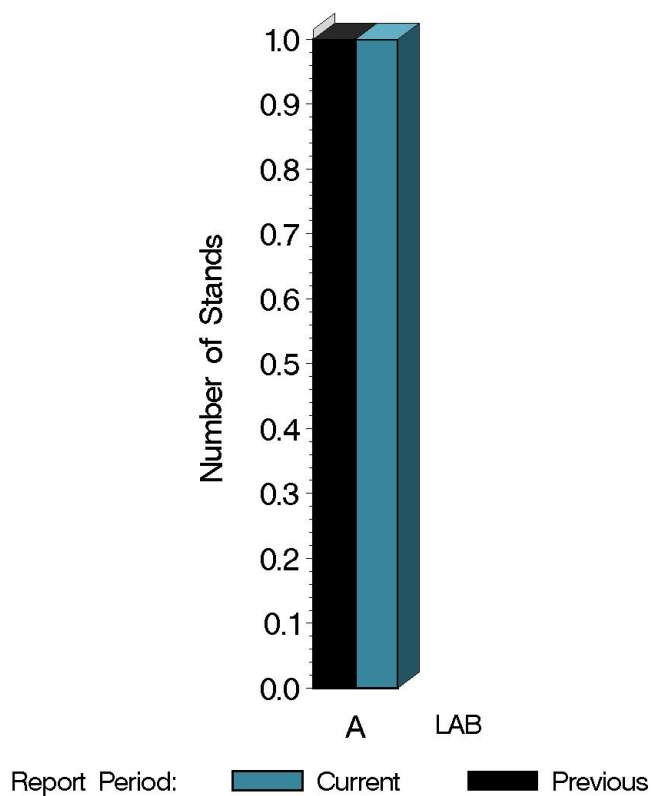
<ftp://ftp.astmtmc.cmu.edu/docs/gear/htct/semiannualreports/htct-04-2015.pdf>

Distribution: email

High Temperature Cyclic Transmission

	Reporting Data	Calibrated on 3-31-15
Number of Labs	1	1
Number of Stands	1	1

BY-LAB STAND
DISTRIBUTION



13:52:00 07APR2015

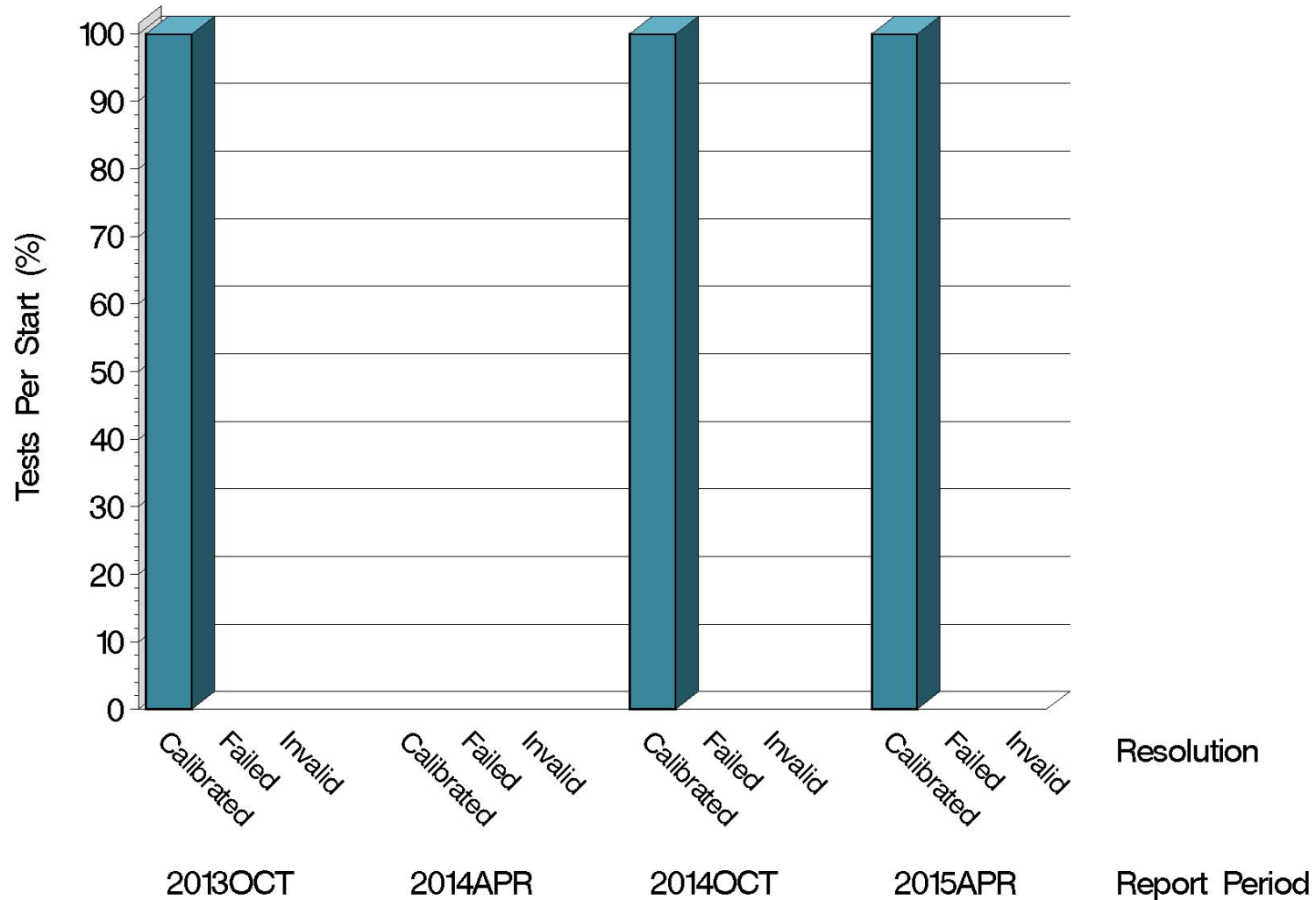
High Temperature Cyclic Transmission

Test Distribution by Oil and Validity

					Totals	
					Last Period	This Period
		150-2	155	155-1		
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	0	0	0	0	0
Total		0	0	1	1	1

High Temperature Cyclic Transmission

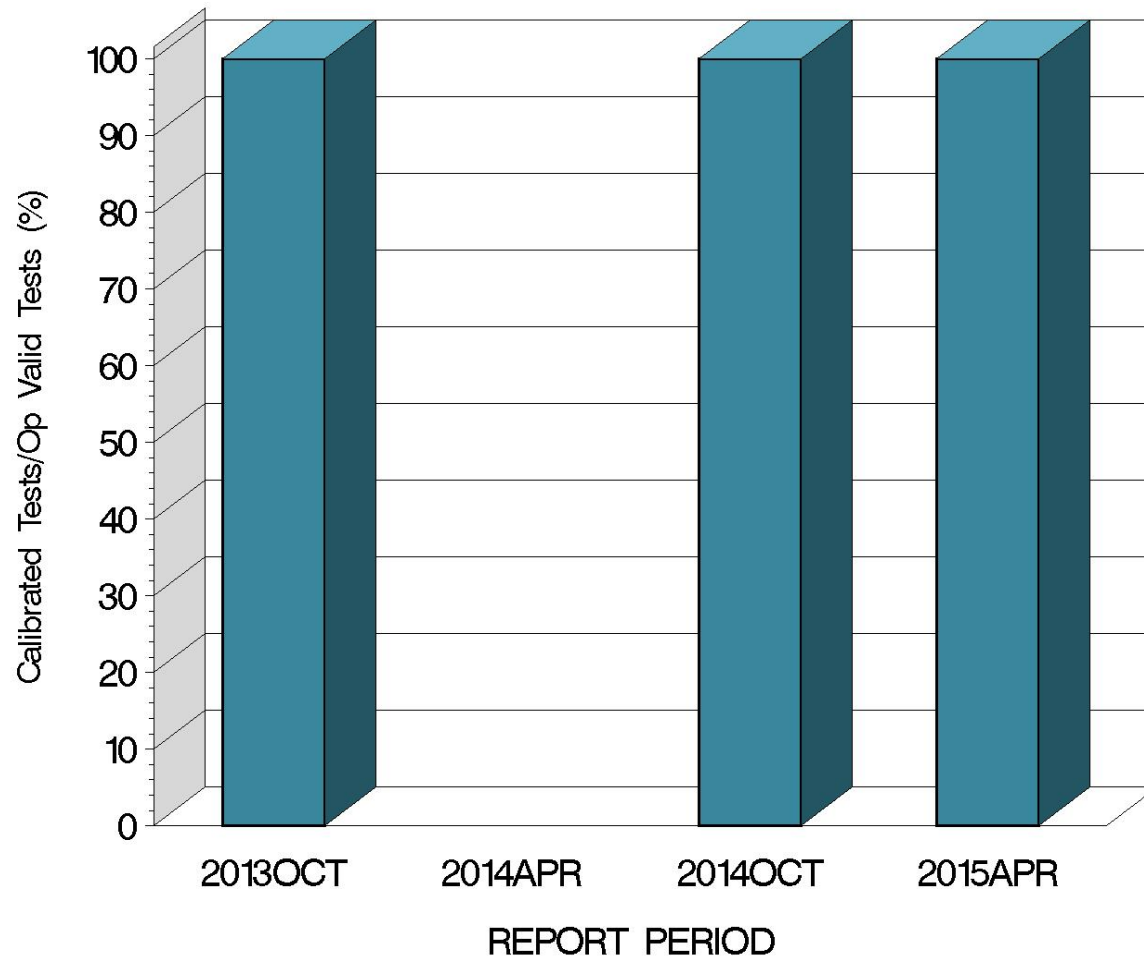
CALIBRATION ATTEMPT SUMMARY



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High Temperature Cyclic Transmission

OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA



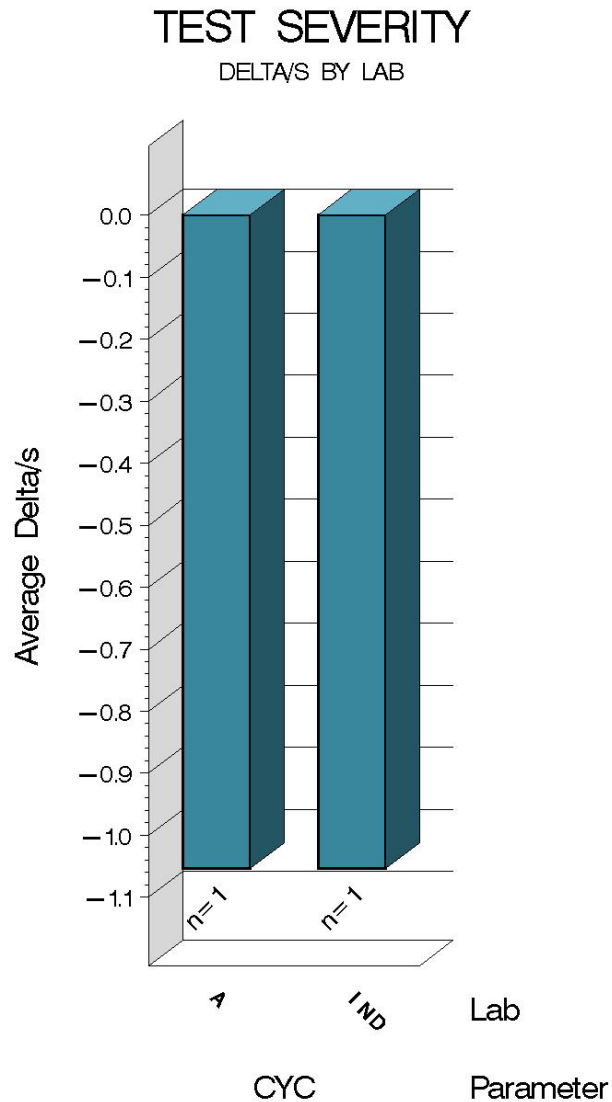
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High Temperature Cyclic Transmission

CAUSES FOR LOST TESTS

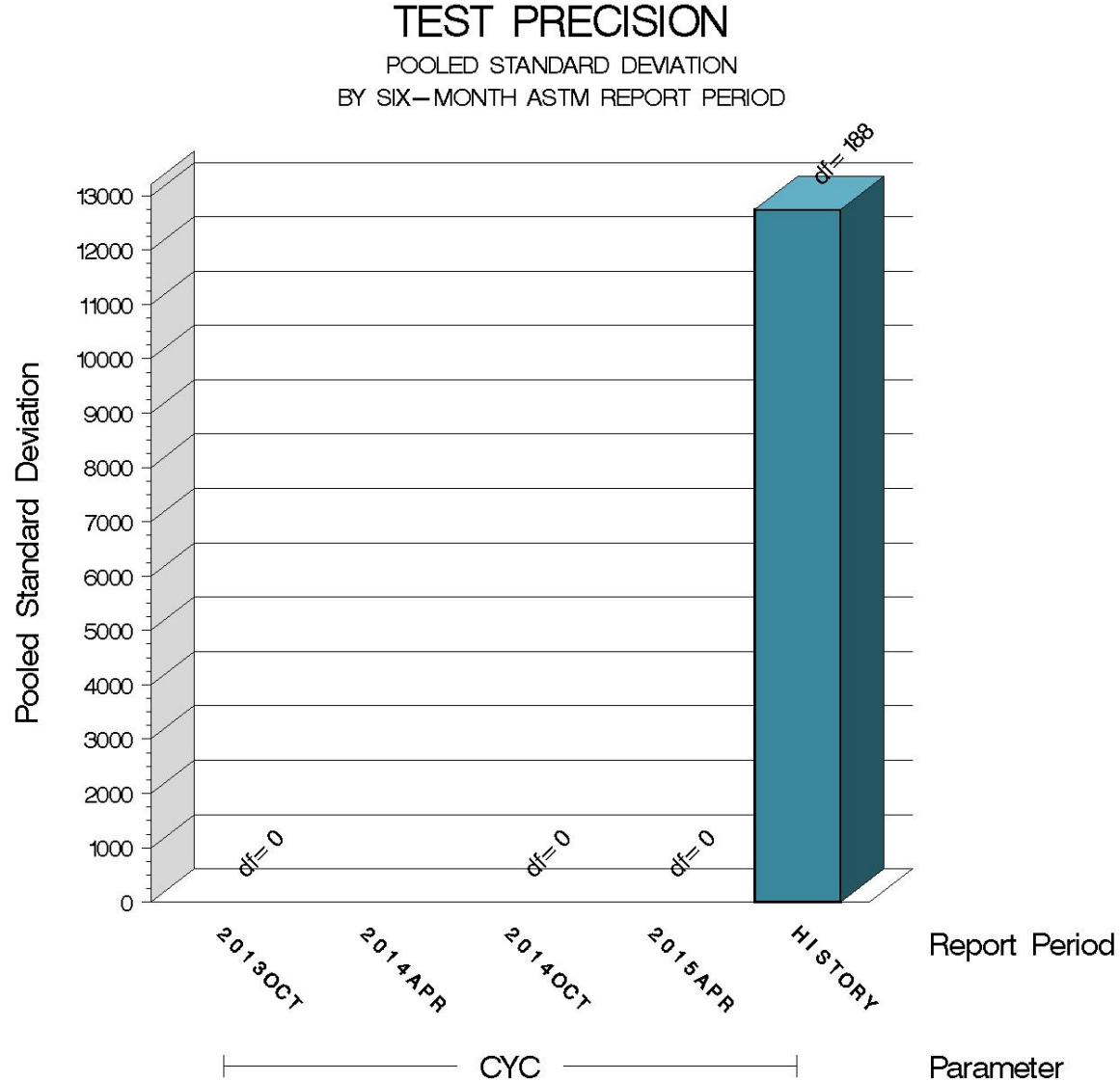
		Oil			Validity			Loss Rate		
Lab	Cause	150-2	155	155-1	RC	LC	XC	Lost	Starts	%
	No tests were lost this period.							0	1	0%
	Lost	0	0	0	0	0	0			
	Starts	0	0	1	1	1	1			
	%	0%	0%	0%	0%	0%	0%			

High Temperature Cyclic Transmission



Average Δ/s by Lab		
Lab	n	CYC
A	1	-1.05
Industry	1	-1.05
Shift	1	-10186

High Temperature Cyclic Transmission



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High Temperature Cyclic Transmission

SUMMARY OF SEVERITY & PRECISION

Severity
The CYC result reported this period pushed the industry chart beyond the severe EWMA warning limit.
Precision
The CYC result reported this period did not result in any precision alarms.

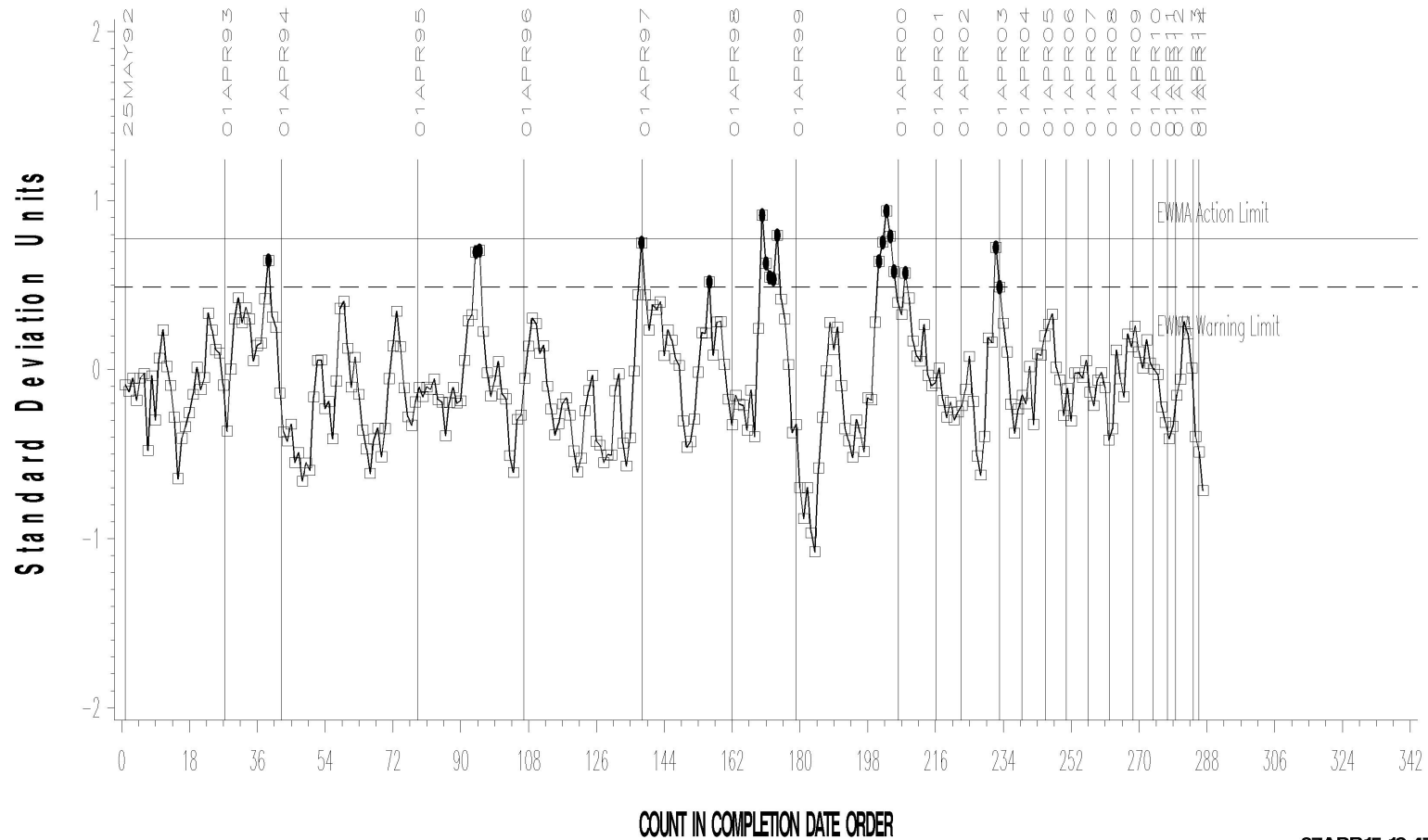
Industry control charts follow.

High Temperature Cyclic Transmission

HTCT INDUSTRY OPERATIONALLY VALID DATA

END OF TEST CYCLES

LTMS Precision Analysis



High Temperature Cyclic Transmission

TIMELINE ADDITIONS

Effective Date	Information Letter	Event
20151002	14-1	Standardized wording describing the role of the TMC

High Temperature Cyclic Transmission

LAB VISITS

No HTCT lab visits were conducted during this period.

INFORMATION LETTERS

Information Letter 14-1 was issued 20151002 to implement wording approved by ASTM Section D02.B0.10 on Standards Acceleration that will standardize across test types the text used to describe the role of the TMC.

High Temperature Cyclic Transmission

STATUS OF REFERENCE OIL SUPPLY

		@ TMC	
Oil	Cans @ Labs	Cans	Gallons
150-2	0	3	33.7
154	2	16	176.0
155	0	1	15.0
155-1	3	24	265.0
Total	5	44	489.7

The TMC quantity remaining presumes usage only for HTCT testing. Oil 155/155-1 is also used in other test areas (L-33-1, L-37 and L-37-1). Oil 150-2/154 is the discrimination oil used only for new hardware approval.