

### **Test Monitoring Center**

@ Carnegie Mellon University 6555 Penn Avenue, Pittsburgh, PA 15206, USA http://astmtmc.cmu.edu 412-365-1000

MEMORANDUM:	19-003
DATE:	April 8, 2019
TO:	Mary Stevens, Chairman, High Temperature Cyclic Durability Test Surveillance Panel
FROM:	Dylan Beck Dy Bego
SUBJECT:	HTCT Testing from October 1, 2018 through March 31, 2019

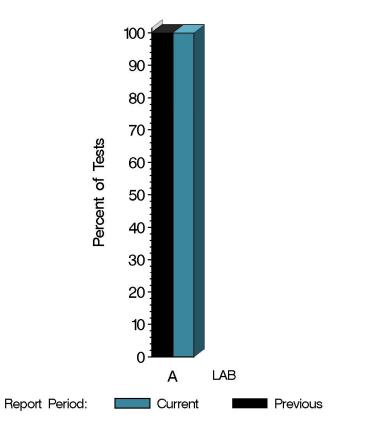
Attached is a summary of testing activity this period.

DJB/djb/mem19-003.djb.doc cc: Frank Farber Jeff Clark HTCT Surveillance Panel <u>http://www.astmtmc.cmu.edu/ftp/docs/gear/l37/semiannualreports/L37-04-2019.pdf</u>

Distribution: email

	Reporting Data	Calibrated on 3-31-19
Number of Labs	1	1
Number of Stands	1	1

BY-LAB TEST DISTRIBUTION



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http://astmtmc.cmu.edu

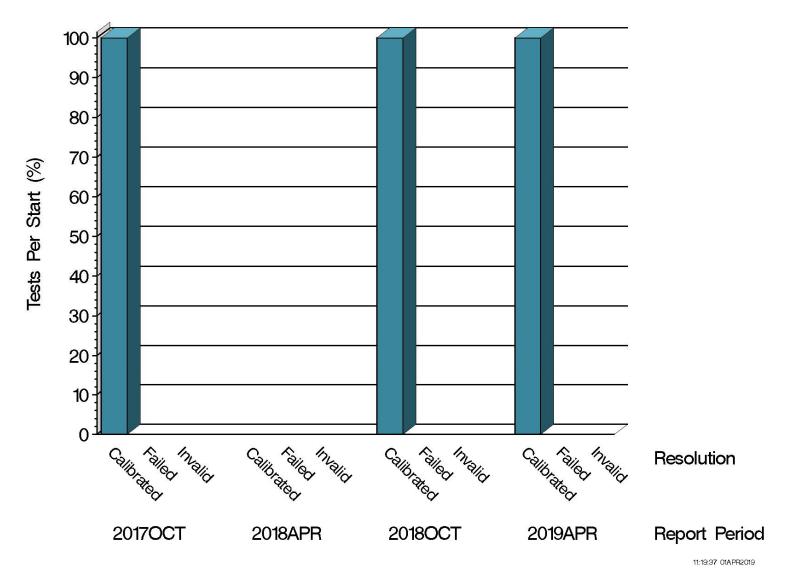
### **Test Distribution by Oil and Validity**

					Tot	als
	· · · ·	154	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	0	0	0	0	0
Total		0	0	1	1	1

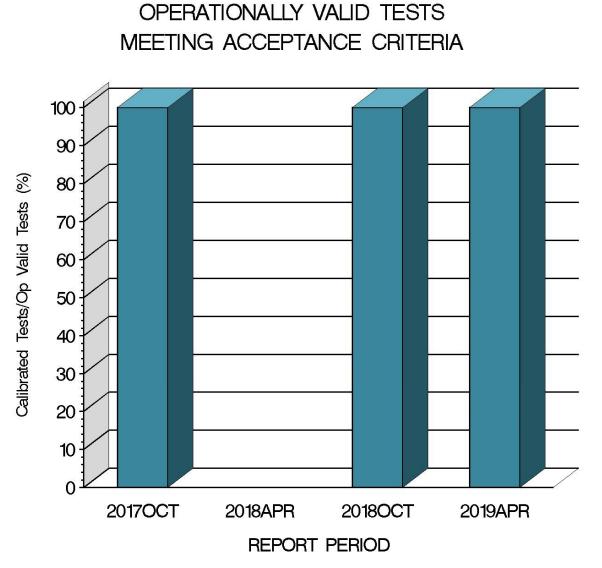




CALIBRATION ATTEMPT SUMMARY







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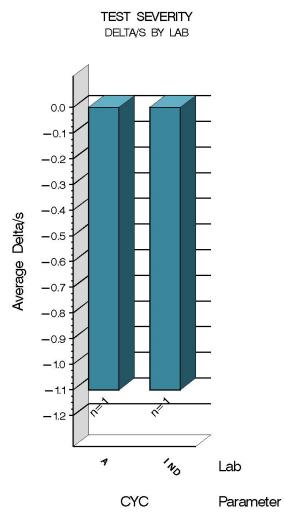


# High Temperature Cyclic Transmission CAUSES FOR LOST TESTS

			Oil			Validity			Loss Rate		
Lab	Cause		154	155	155-1	RC	LC	XC	Lost	Starts	%
	No tests were period.	lost this							0	1	0%
		Lost	0	0	0	0	0	0			
		Starts	0	0	1	1	1	1			
		%	0%	0%	0%	0%	0%	0%			



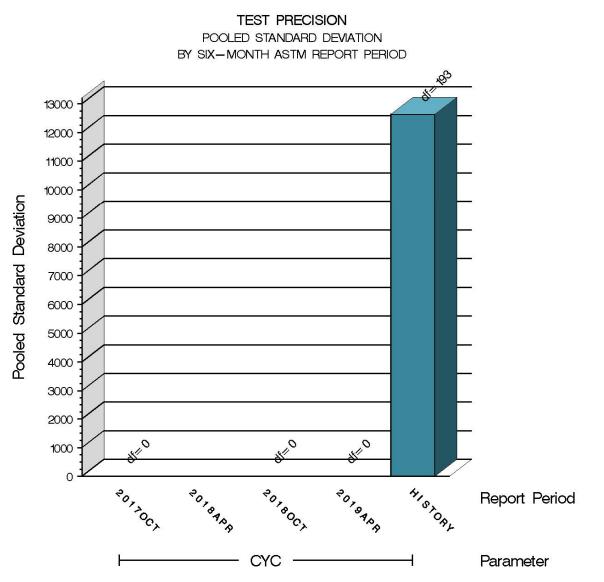




Average ∆/s by Lab					
Lab	n	CYC			
А	1	-1.09			
Industry	1	-1.09			
Shift	1	-10524			



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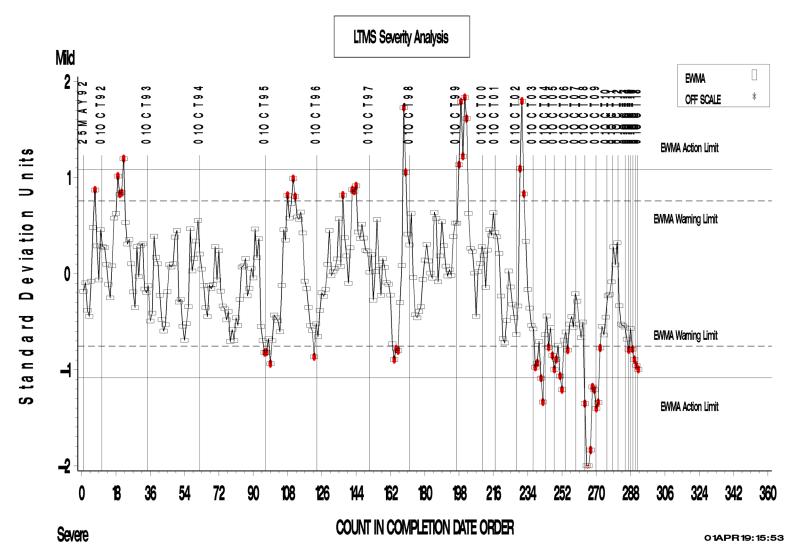
### **SUMMARY OF SEVERITY & PRECISION**

Severity
The CYC result reported this period was within industry control chart action limits.
Precision
The CYC result reported this period did not result in any precision alarms.

Industry control charts follow.



#### HTCT INDUSTRY OPERATIONALLY VALID DATA



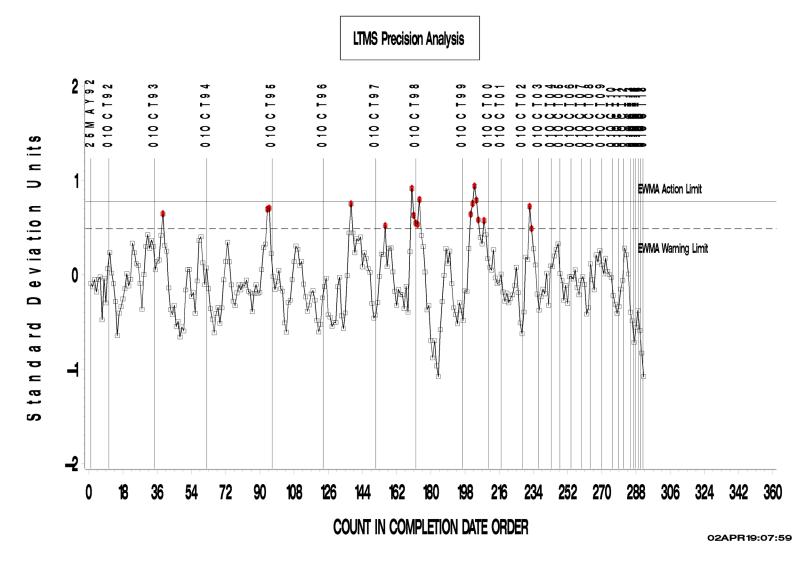
#### END OF TEST CYCLES



Test Monitoring Center

#### HTCT INDUSTRY OPERATIONALLY VALID DATA

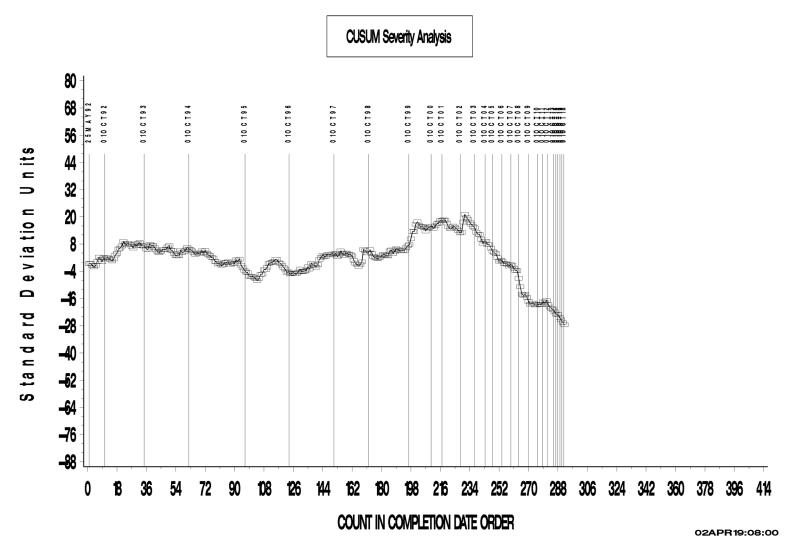
#### END OF TEST CYCLES





HTCT INDUSTRY OPERATIONALLY VALID DATA

END OF TEST CYCLES





### **TIMELINE ADDITIONS**

Effective Date	Information Letter	Event
October 10, 2018	18-1	Definitions of new test stand and new test lab added to test procedure.





### LAB VISITS

One HTCT lab visit was conducted during this period. All observed aspects of the test stand were found to be in compliance with the procedure.

### **INFORMATION LETTERS**

Information Letter 18-1 was issued during this period. This information letter added a definition of a new test lab, and the definition of a new test stand to the test procedure.



### STATUS OF REFERENCE OIL SUPPLY

		@ TMC		
Oil	Cans @ Labs	Cans	Gallons	
154	2	16	176.0	
155	0	1	15.0	
155-1	4	10	111.6	
Total	6	27	302.6	

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, L-60-1 and L-37-1). Oil 154 is the discrimination oil used only for new hardware approval.

