



Test Monitoring Center


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412-365-1000

MEMORANDUM: 10-049

DATE: November 8, 2010

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

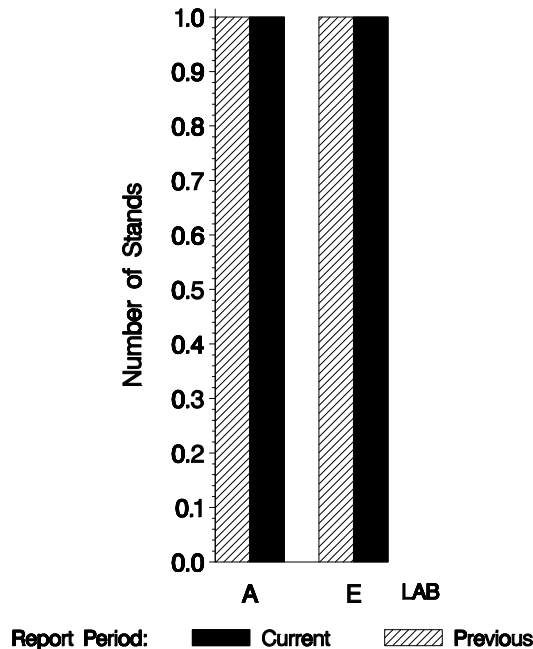
FROM: Scott Parke 

SUBJECT: HTCT Testing from April 1, 2010 through September 30, 2010

A total of 3 HTCT tests were reported to the Test Monitoring Center during the period from April 1, 2010 through September 30, 2010. Following is a summary of testing activity this period.

	Reporting Data	Calibrated on 9-30-10
Number of Labs	2	2
Number of Stands	2	2

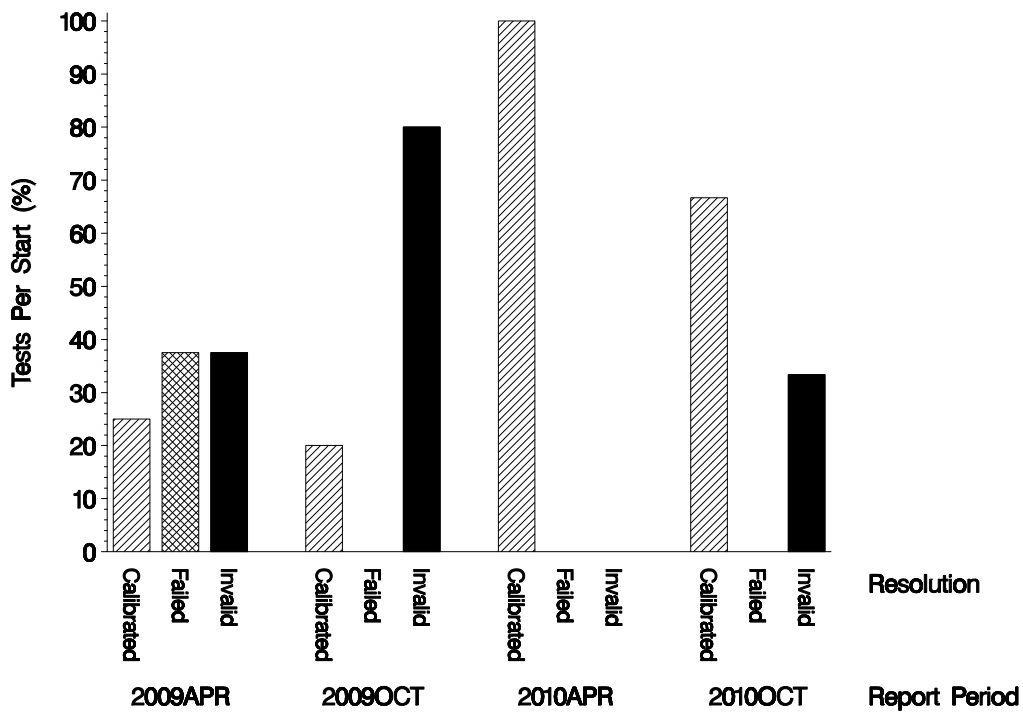
BY-LAB STAND DISTRIBUTION



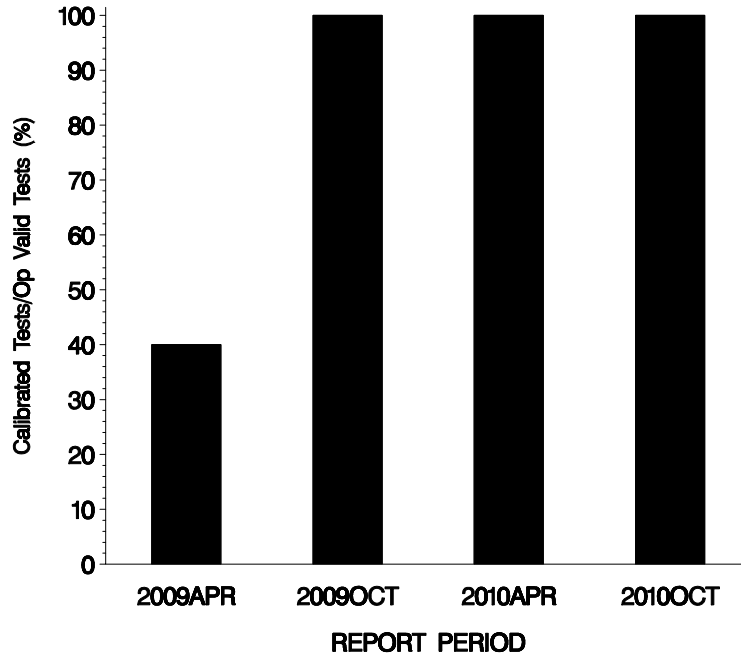
Test Distribution by Oil and Validity

			Totals				
			150-2	154	155	Last Period	This Period
Accepted for calibration	AC		0	0	2	4	2
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	1	0	1
Aborted	XC		0	0	0	0	0
Accepted information run	NN		0	0	0	0	0
Total			0	0	3	4	3

CALIBRATION ATTEMPT SUMMARY



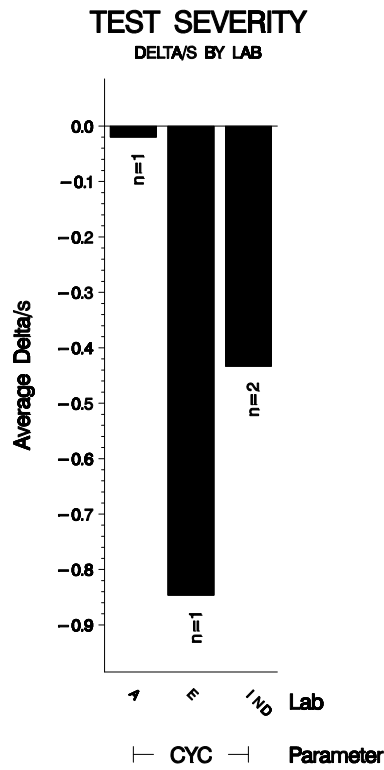
**OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA**

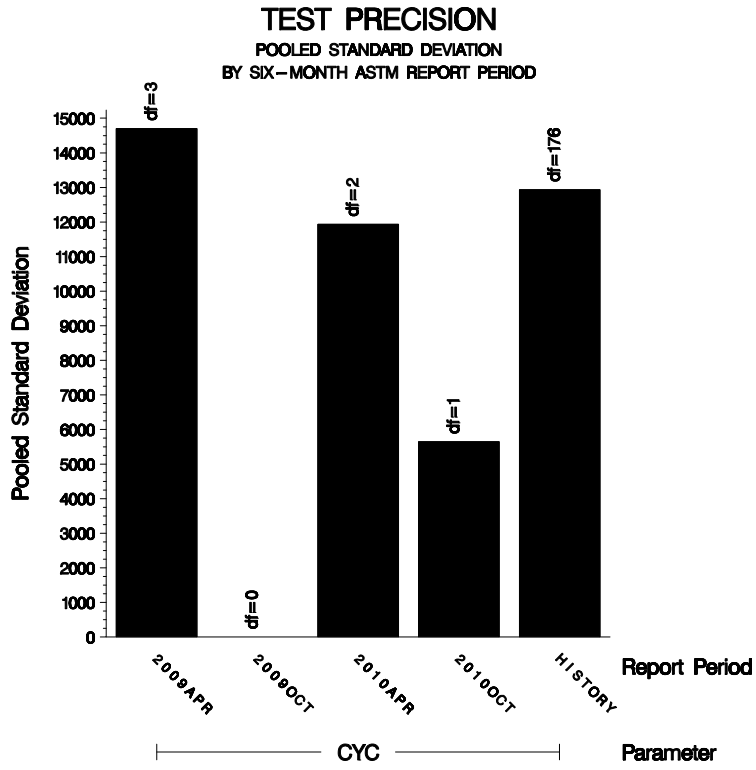


CAUSES FOR LOST TESTS:

Lab	Cause	Oil			Validity			Loss Rate		
		150-2	154	155	RC	LC	XC	Lost	Starts	%
E	Snap ring dislodged at 24,000 cycles.			●		●		1	2	50%
	Lost	0	0	1	0	1	0			
	Starts	0	0	3	3	3	3			
	%	0%	0%	33%	0%	33%	0%			

Average Δ/s by Lab		
Lab	n	CYC
A	1	-0.020
E	1	-0.850
Industry	2	-0.430
Shift	2	-4186.00

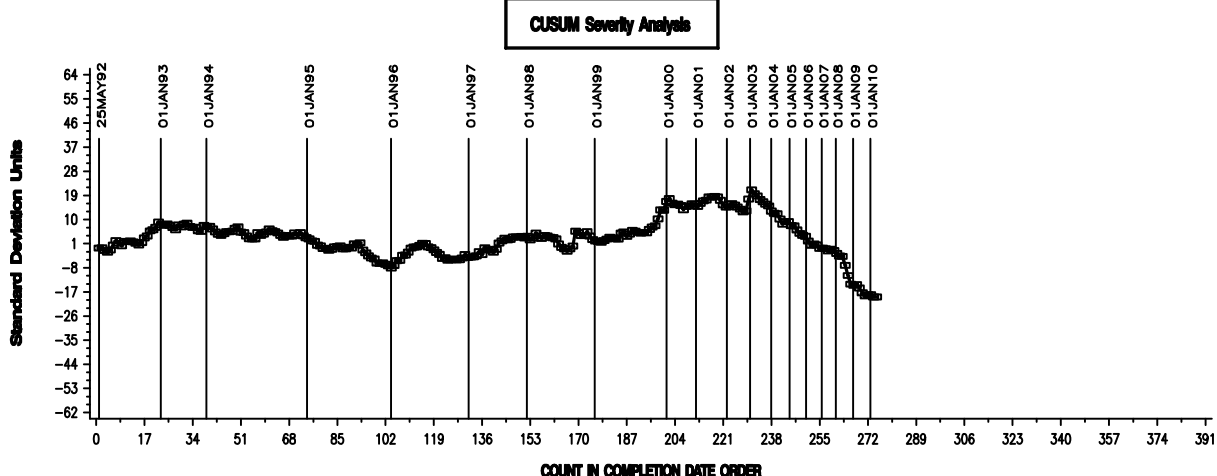
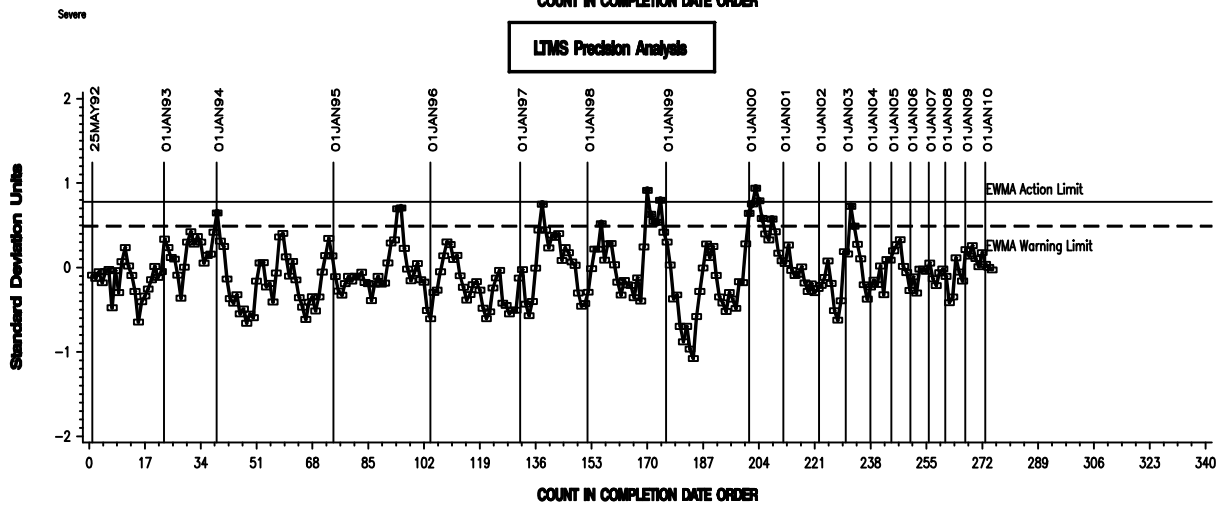
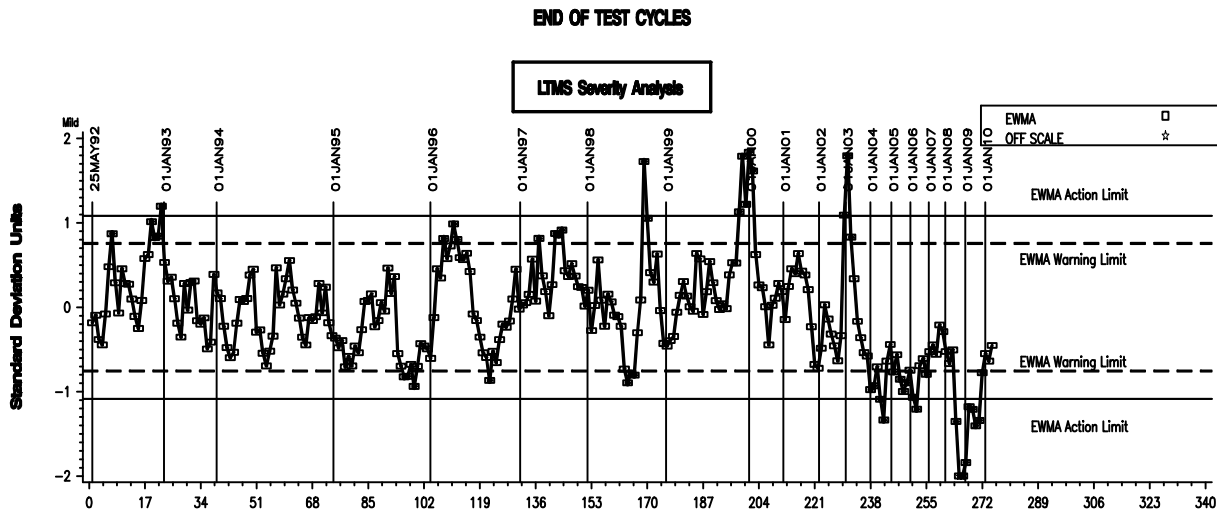




INDUSTRY CONTROL CHART:

The industry control chart is shown below. CYC is currently within both severity and precision limits. Average Δ/s reported this period was -0.430.

HTCT INDUSTRY OPERATIONALLY VALID DATA



TIMELINE OF SIGNIFICANT EVENTS IN THE HISTORY OF THE HTCT TEST:

Effective Date	Information Letter	Event
19960701		Surveillance panel approved acceptance bands and targets
19961210	97-1	Change to allow replacement of main box shift rail cover with aluminum plate
19970324	97-1	Forms and data dictionary changes, version 19970128
19970918	97-2	Replacement of appendix x1 with annex a5 (editorial changes)
19971110	97-3	Revision to shift time definition and inclusion of shift time plot
19980209	98-1	Revision to shift time definition and inclusion of shift time plot
19980215		First test on new synchronizer assembly reported
19980626	98-2	Defined acceptable hardware configurations, revised forms and data dictionary to document hardware configuration utilized
19990413	99-1	Clarified the calibration period, allows non-reference oil tests to start up to and including
19990413	99-1	The last day of the calibration period.
19990625	99-2	Redefined acceptable hardware configurations
20000613	00-1	Requires use of TESTW MPC5460 friction plates
20020920	02-1	Failing reference oil run requirement
20020920	02-1	Test hardware correction and revisions
20030916	03-1	Report Forms and Data Dictionary
20040101	03-1	Cleaning Solvent Specification
20041203	04-1	One Quart Test Oil EOT Save Requirement Dropped
20050221	05-1	Revised Solvent Specification
20050504	05-2	Surveillance Panel Use of Donated Reference Oil Test Programs
20050504	05-2	Guidelines for Shortening or Lengthening Reference Oil Calibration Periods
20050504	05-2	Updated Test Precision
20050504	05-2	Rounding Test Results Using ASTM E 29
20050504	05-2	Piston, High Low Range Shift Outside Diameter Specification
20050504	05-2	Company Name Change
20060911		Reference oil targets set using only configuration 2 data
20090327	09-1	Revision to Percent Deviation Calculation
20090519	09-2	Shift Time RPM Correction
20091002	09-3	P/Ns revised to Volvo part numbers.

TMC LAB VISITS:

No HTCT lab visits were conducted during this report period.

INFORMATION LETTERS:

No information letters were issued this report period.

STATUS OF REFERENCE OIL SUPPLY:

At the end of this report period, the testing oil supply stood as outlined in the table below:

Oil	Cans @ Labs	@ TMC	
		Cans	Gallons
150-2	4	3	33.7
154	4	16	176.0
155	2	13	150.0
Total	10	32	359.7

The TMC quantity remaining presumes usage only for HTCT testing. Oil 155 is also used in other test areas.

SDP/sdp/astm1010.doc/mem10-049.sdp.doc

c: Frank Farber

Jeff Clark

Don Lind

HTCT Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/gears/htct/semiannualreports/htct-10-2010.pdf>

Distribution: email