



Test Monitoring Center

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(412) 365-1000

MEMORANDUM: 04-086

DATE: October 18, 2004

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

FROM: Donald Lind

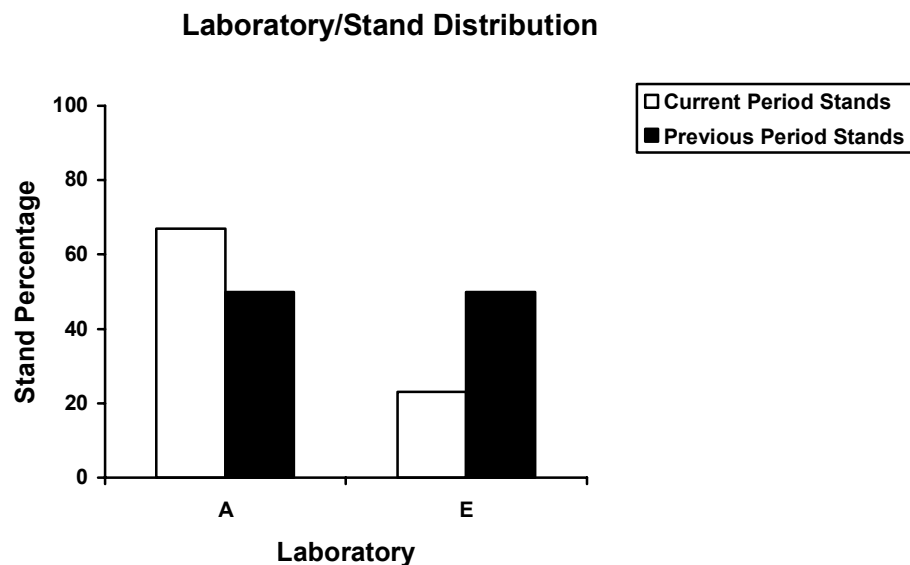
SUBJECT: High Temperature Cyclic Durability Reference Test Status from April 1, 2004 through September 30, 2004

The following is a summary of High Temperature Cyclic Durability reference oil tests that were reported to the Test Monitoring Center during the period April 1, 2004 through October 30, 2004.

Lab/Stand Distribution

	Reporting Data	Calibrated as of 9/30/04
Laboratories	2	2
Stands	3	2

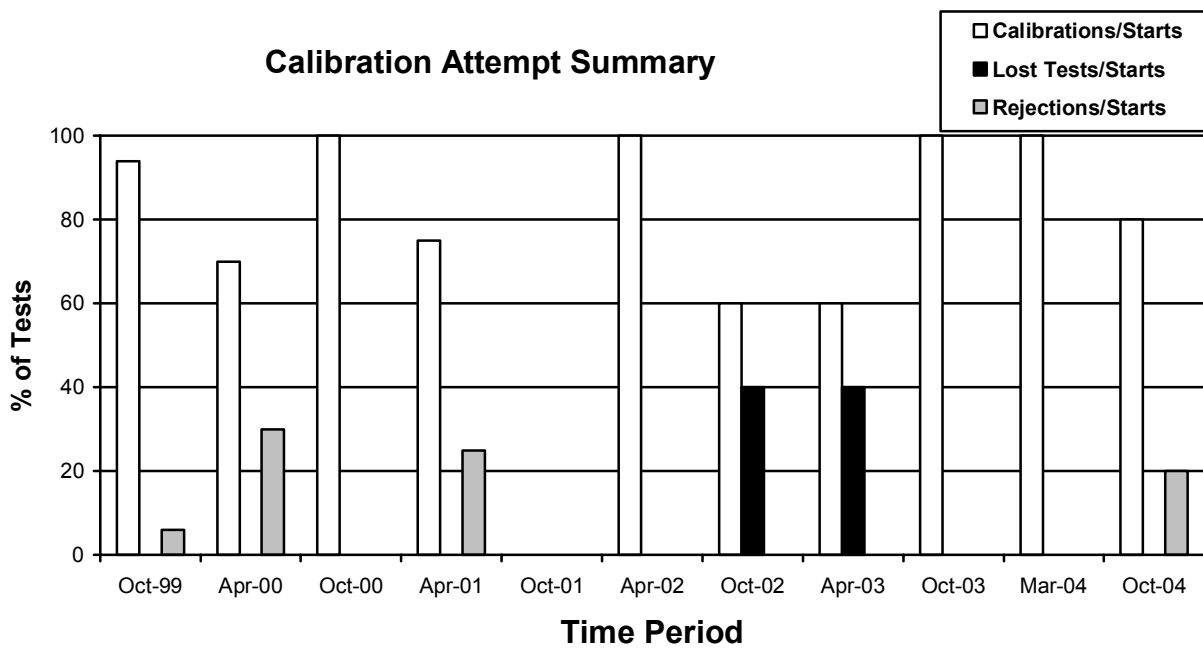
The following chart shows the laboratory/stand distribution:



The following summarizes the status of the reference oil tests reported to the TMC:

	TMC Validity Codes	No. of Tests
Operationally and Statistically Acceptable	AC	4
Statistically Unacceptable	OC	1
Operationally Invalid, Laboratory Determination	LC	0
Total		5

Calibrations per start, lost tests per start and rejections per start rates are summarized below:



The calibration per start rate has decreased this report period, the rejections per start rate has increased this report period, and the lost test per start rate has remained the same with respect to the previous period.

Severity and Precision

Figure 1 is the industry control chart. Figure 2 is the industry control chart of the last 20 test results. The average Δ/s for this period was -0.75 severe. There were two EWMA severity warning alarms and one EWMA severity action alarm this report period. There were no EWMA precisions alarms this report period. The severity alarms are related to three test results with a -1.9 delta/s or greater from one lab.

Information Letters

There were no information letters issued during this report period.

Reference Oil

The following is a listing of reference oils with the expected number of tests remaining at the Test Monitoring Center and at the testing laboratories. HTCT reference oils are shipped in quantities of 15 gallons per test.

Oil	Volume at TMC (Gallons)	Number of Tests Remaining at TMC	Number of Tests Remaining at Labs	Total Number of Tests Remaining
150-2	147	9	3	12
151-3	*	*	6	*

* 143 Gallons (Multiple test area usage)

DML/dml

Attachments

c: High Temperature Cyclic Durability Test Surveillance Panel
Frank M. Farber
<ftp://ftp.astmtmc.cmu.edu/docs/gear/htct/semiannualreports/htct-10-2004.pdf>

Distribution: Email

Listing of Tables and Figures Included as Part of This Report to the High Temperature Cyclic Durability
Test Surveillance Panel

Table 1 is the High Temperature Cyclic Durability Test Industry Timeline.

Figure 1 is the Industry control chart for Cycles to Unsynchronized Shifts.

Figure 1

HTCT INDUSTRY OPERATIONALLY VALID DATA

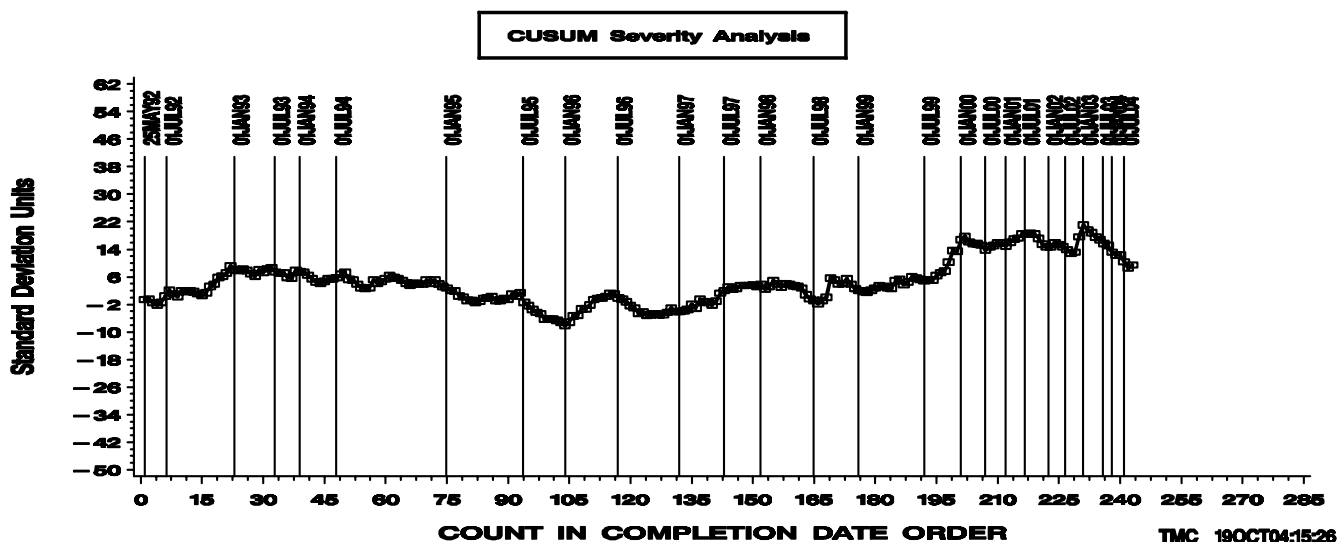
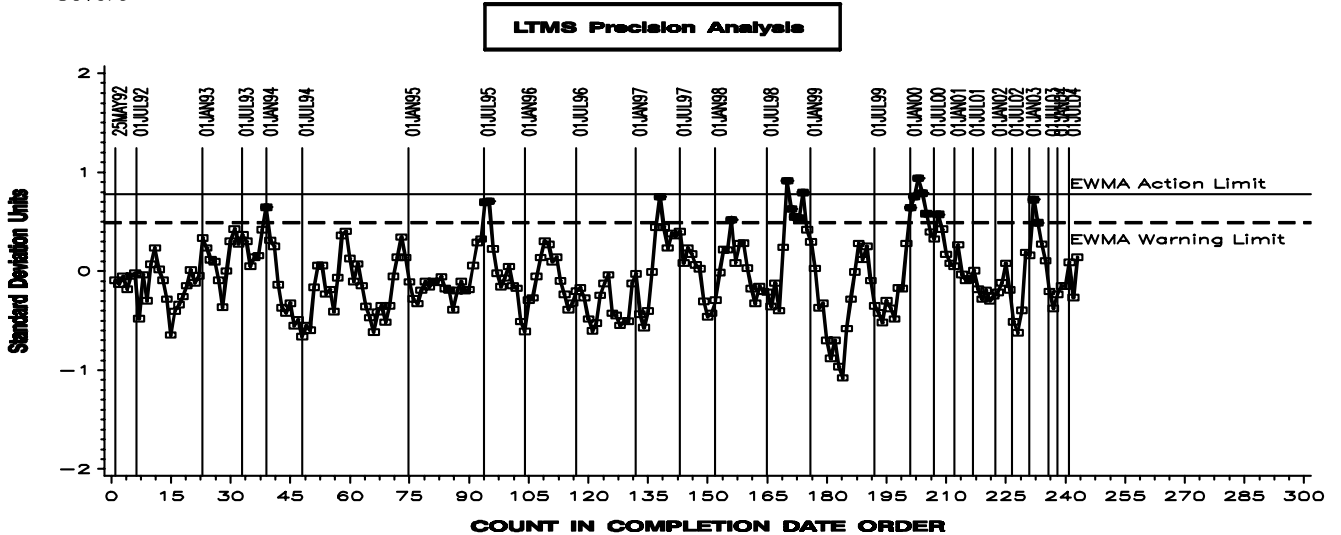
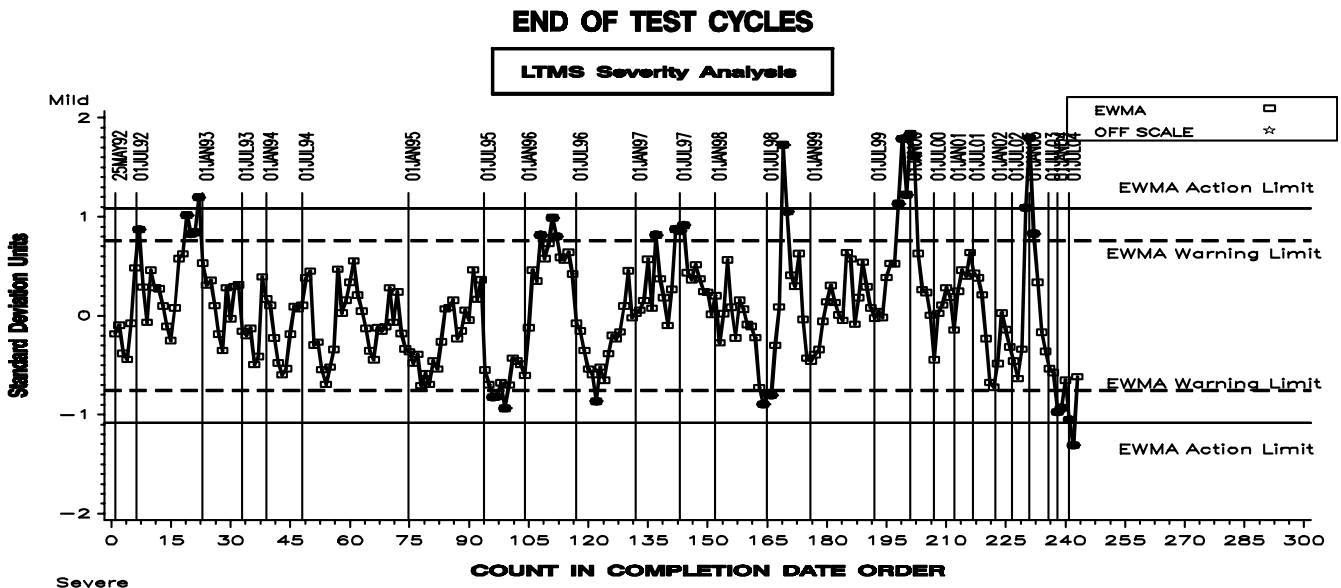


Figure 2

HTCT INDUSTRY OPERATIONALLY VALID DATA

Last 20 Test Results END OF TEST CYCLES

