

MEMORANDUM: 05-017

DATE: April 18, 2005

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

FROM: Donald Lind

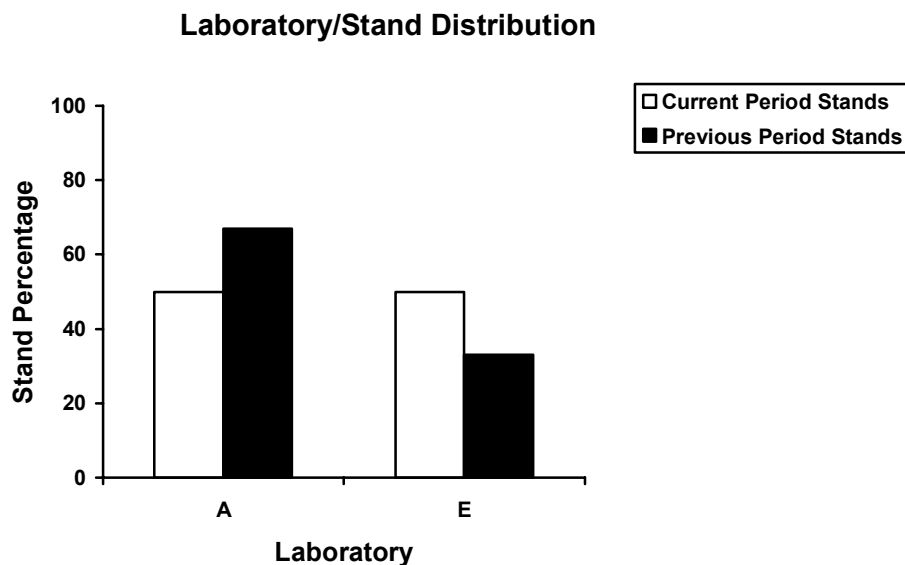
SUBJECT: High Temperature Cyclic Durability Reference Test Status from October 1, 2004 through March 31, 2005

The following is a summary of High Temperature Cyclic Durability reference oil tests that were reported to the Test Monitoring Center during the period October 1, 2004 through March 31, 2005.

Lab/Stand Distribution

	Reporting Data	Calibrated as of 3/31/05
Laboratories	2	2
Stands	2	2

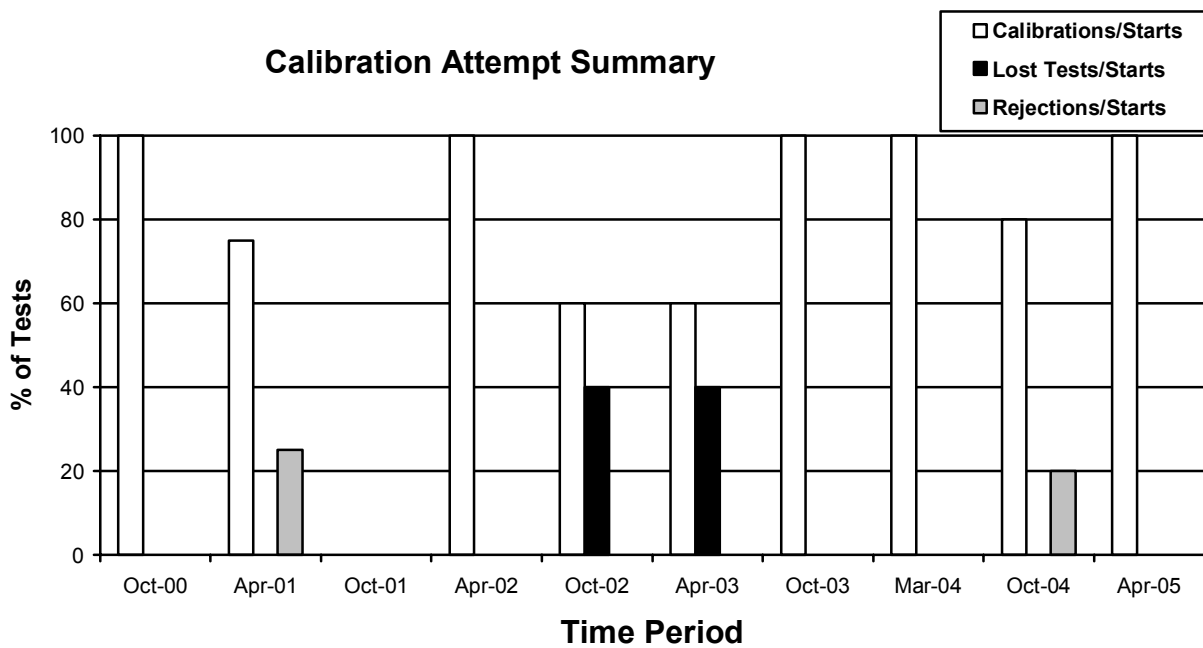
The following chart shows the laboratory/stand distribution:



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	2
Statistically Unacceptable	OC	0
Operationally Invalid, Laboratory Determination	LC	0
Total		2

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



The calibration per start rate has increased this report period, the rejections per start rate has decreased 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 was one EWMA severity warning alarm this report period. There were no EWMA precisions alarms this report period. The severity alarm is related to severe test results of -1.5 delta/s or greater from one lab.

Information Letters

There were two information letter issued during this report period. Information Letter 04-01, Sequence Number 11 was issued on November 18, 2004 and Information Letter 05-01, Sequence Number 12 was issued on February 21, 2005. Items changed with these information letters are documented in the L-37 timeline (Table 1).

TMC Lab Visits

There were two lab visits conducted this report period. There was one discrepancy to report. The laboratory was overcharging the oil system with 1 additional quart of oil.

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 11 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	136	12	4	16
151-3	*	*	5	*

* 110 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-04-2005.pdf>

Distribution: Email

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

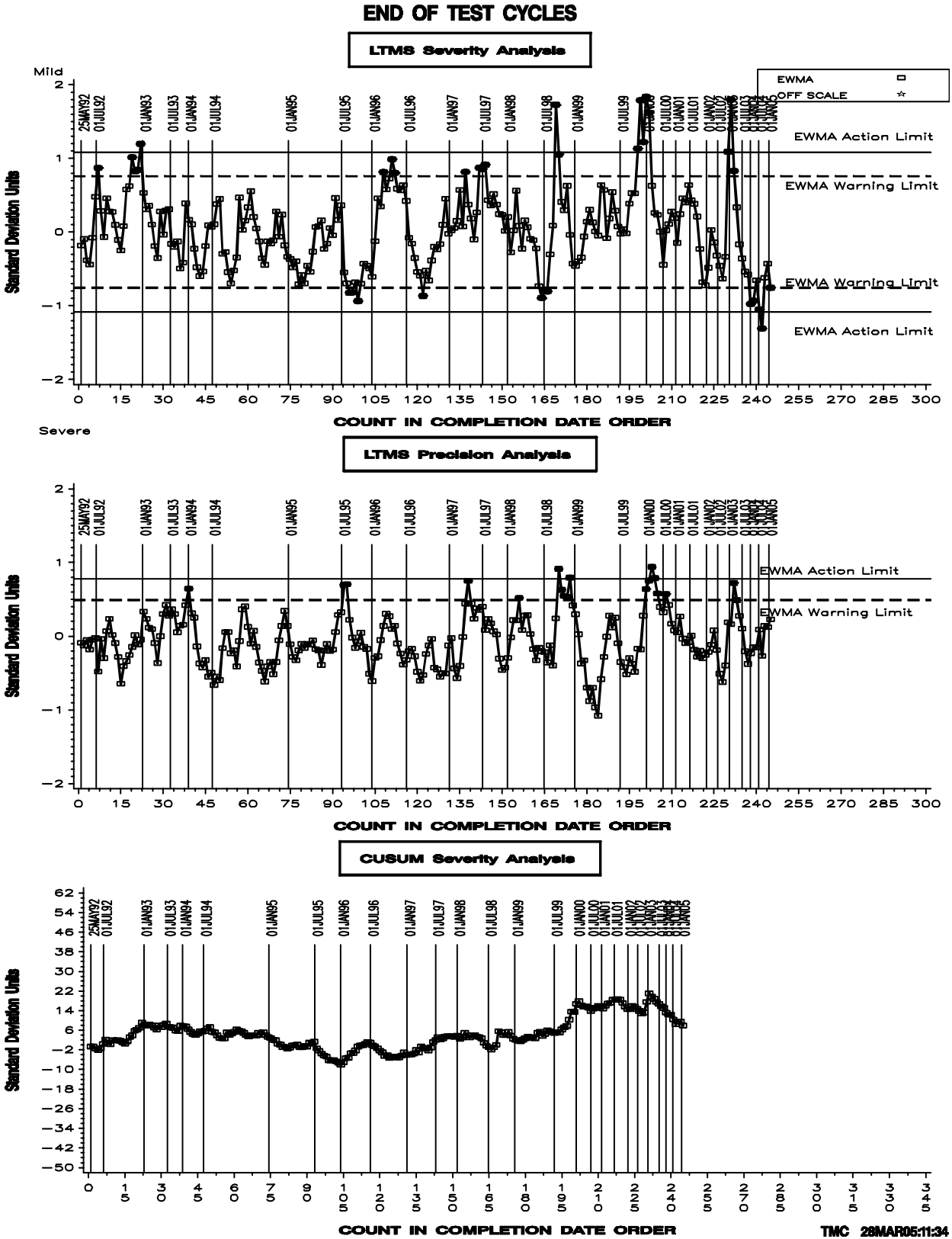
Table 1 is the High Temperature Cyclic Durability Test Industry Timeline.

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

Figure 2 is the Industry control chart of the last 20 results for Cycles to Unsynchronized Shifts.

Figure 1

HTCT INDUSTRY OPERATIONALLY VALID DATA



HTCT INDUSTRY OPERATIONALLY VALID DATA

