



Test Monitoring Center

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MEMORANDUM: 03-084

DATE: October 3, 2003

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

FROM: Donald Lind

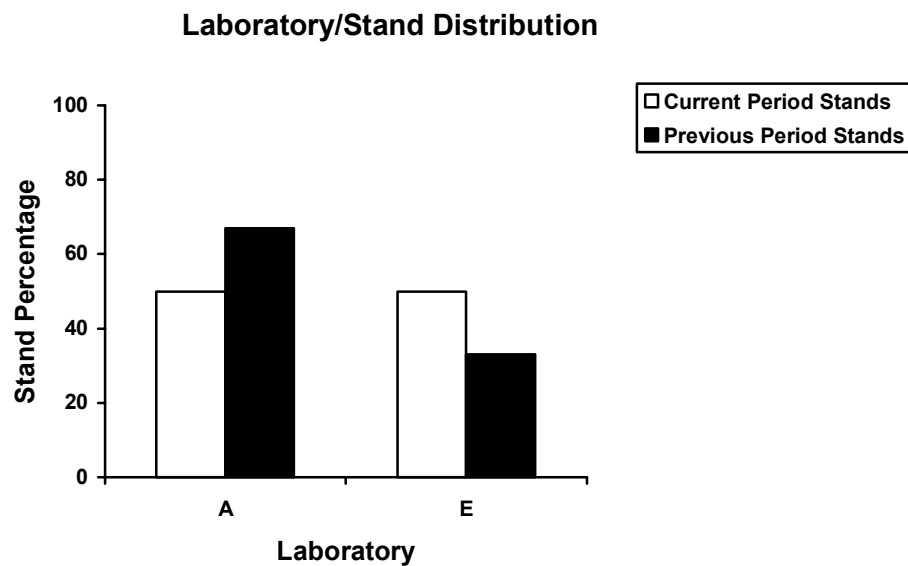
SUBJECT: High Temperature Cyclic Durability Reference Test Status from April 1, 2003 through September 30, 2003

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, 2003 through September 30, 2003.

Lab/Stand Distribution

	Reporting Data	Calibrated as of 9/30/03
Laboratories	2	2
Stands	2	2

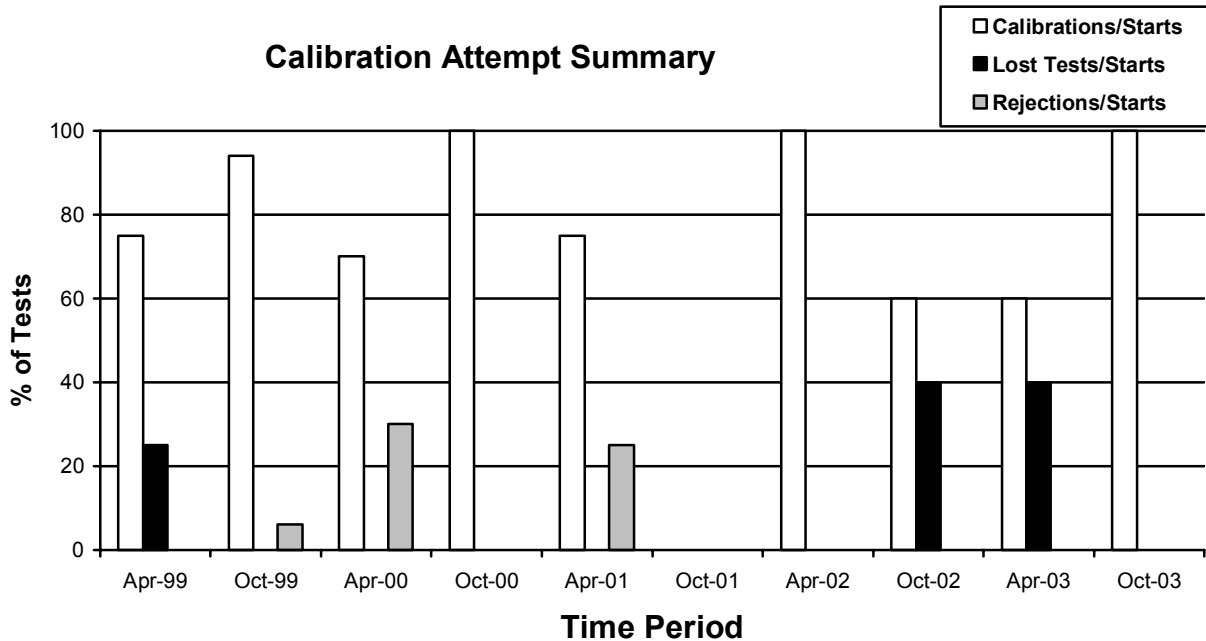
The following chart shows the laboratory/stand distribution:



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	4
Statistically Unacceptable	OC	0
Operationally Invalid, Laboratory Determination	LC	0
Total		4

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



The calibration per start rate has increased with respect to the previous period. The rejections per start and the lost test per start rates have decreased with respect to the previous period.

Severity and Precision

Figure 1 is the industry control chart. The average Δ/s for this period was -0.98 severe. There were no EWMA severity alarms and one EWMA precision warning alarm this report period. This alarm was a result of two consecutive tests results over three standard deviations.

Information Letters

There was one information letter issued during this report period. Information Letter 03-1, Sequence Number 10 was issued on September 16, 2003. Items changed with this information letter are documented in the HTCT timeline (Table 1).

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	183	12	3	15
151-3	*	*	6	*

* 239 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/gears/htct/semiannualreports/htct-10-2003>

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.

HTCT INDUSTRY OPERATIONALLY VALID DATA

END OF TEST CYCLES

