



Test Monitoring Center

6555 Penn Avenue
Pittsburgh, PA 15206-4489
(412) 365-1000

MEMORANDUM: 04-011

DATE: April 5, 2004

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

FROM: Donald Lind

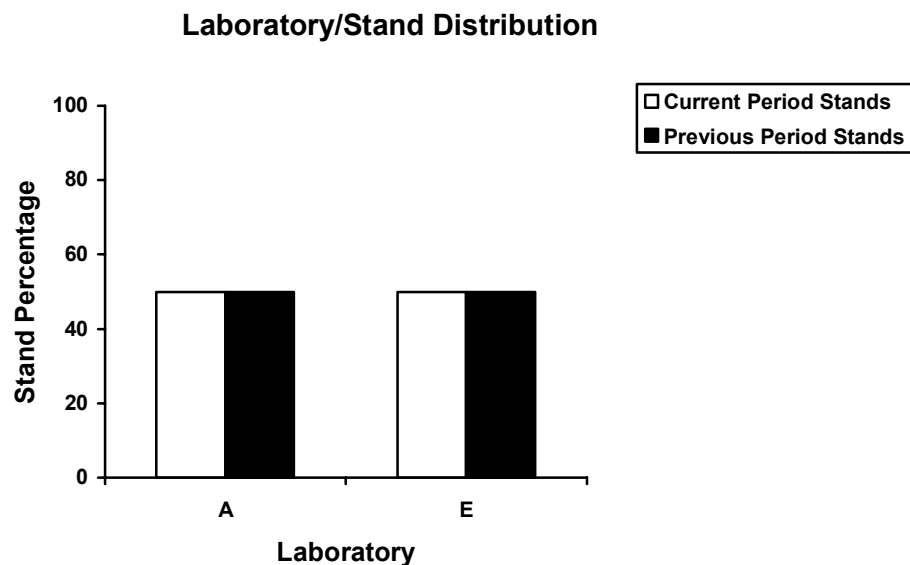
SUBJECT: High Temperature Cyclic Durability Reference Test Status from October 1, 2003 through March 31, 2004

The following is a summary of High Temperature Cyclic Durability reference oil tests that were reported to the Test Monitoring Center during the period October 1, 2003 through March 31, 2004.

Lab/Stand Distribution

	Reporting Data	Calibrated as of 3/31/04
Laboratories	2	2
Stands	2	2

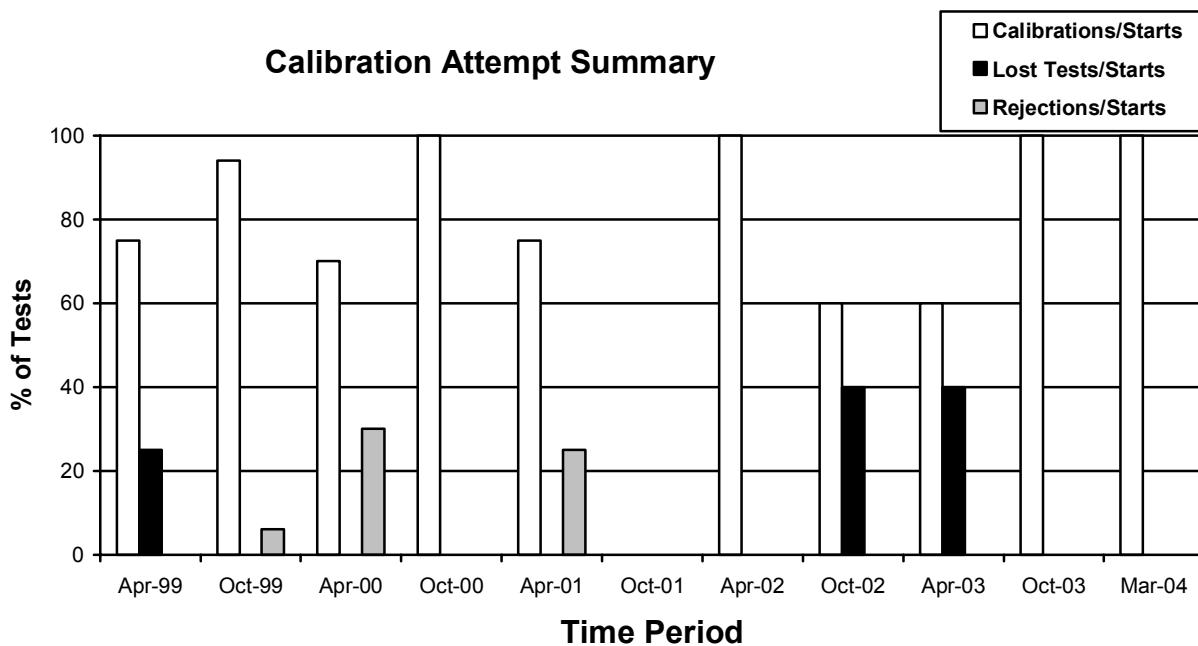
The following chart shows the laboratory/stand distribution:



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, rejections per start, and the lost test per start rates have remained the same with respect to the previous period.

Severity and Precision

Figure 1 is the industry control chart. The average Δ/s for this period was -1.29 severe. There was one EWMA severity warning alarm and no EWMA precision alarms this report period. The alarm does not appear to be related to any one lab, stand, or oil.

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	183	12	3	15
151-3	*	*	5	*

* 201 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-04-2004.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

END OF TEST CYCLES

