



Test Monitoring Center

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MEMORANDUM: 03-050

DATE: April 28, 2003

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

FROM: Donald Lind

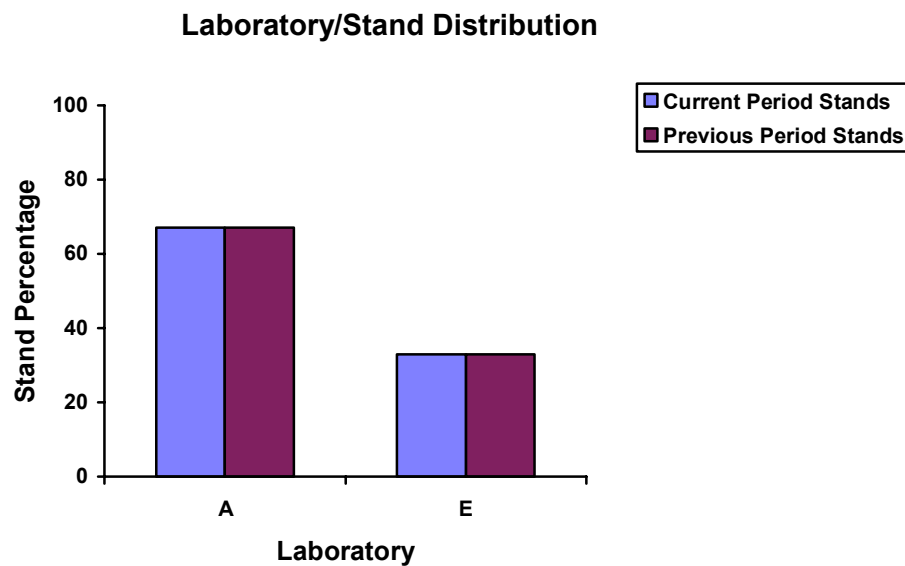
SUBJECT: High Temperature Cyclic Durability Reference Test Status from October 1, 2002 through March 31, 2003

The following is a summary of High Temperature Cyclic Durability reference oil tests that were reported to the Test Monitoring Center during the period October 1, 2002 through March 31, 2003.

Lab/Stand Distribution

	Reporting Data	Calibrated as of 3/31/03
Laboratories	2	2
Stands	3	3

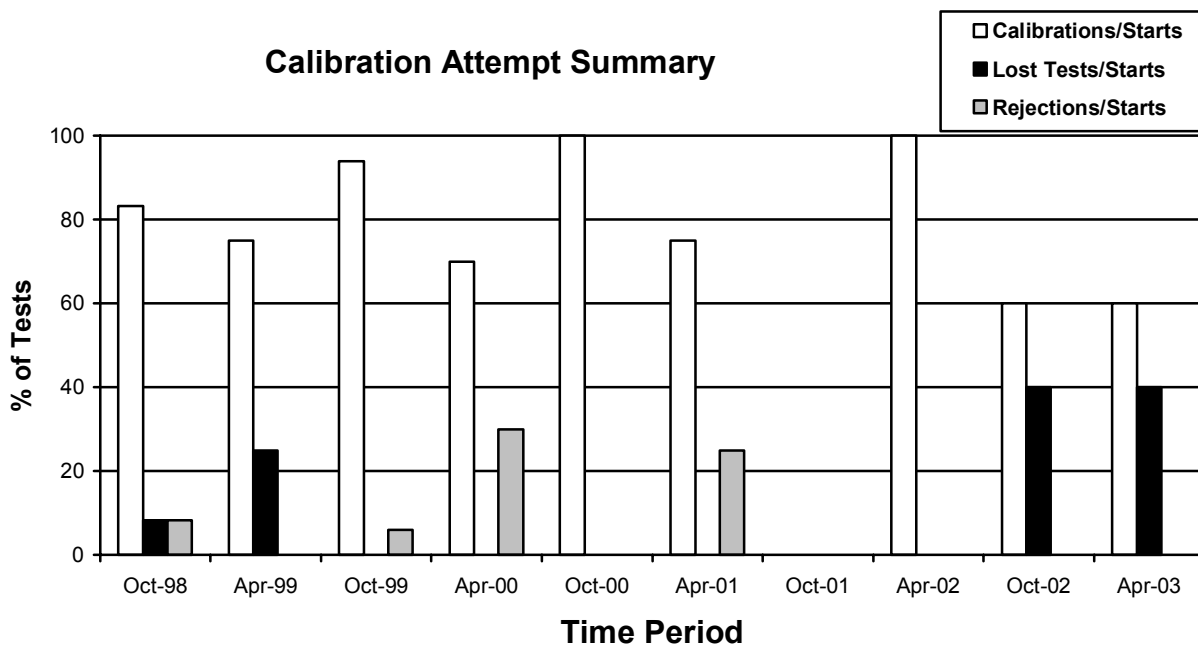
The following chart shows the laboratory/stand distribution:



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	3
Statistically Unacceptable	OC	2
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 rejections per start, and the lost test per start rates are the same as the previous period.

Severity and Precision

Figure 1 is the industry control chart. The average Δ/s for this period was 1.20 mild. There were two EWMA precision warning alarms and one EWMA severity action alarm this report period. These alarms were a result of two consecutive tests results over three standard deviations.

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	5	17
151-3	*	*	5	*

* 327 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-04-2003>

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.

Table 1
High Temperature Cyclic Durability Industry Timeline

<u>Effective Date</u>	<u>Information Letter</u>	<u>Description of Changes</u>
19960701		SURVEILLANCE PANEL APPROVED ACCEPTANCE BANDS AND TARGETS
19970324	97-1	FORMS AND DATA DICTIONARY CHANGES, VERSION 19970128
19961210	97-1	CHANGE TO ALLOW REPLACEMENT OF MAIN BOX SHIFT RAIL COVER WITH ALUMINUM PLATE
19970918	97-2	REPLACEMENT OF APPENDIX X1 WITH ANNEX A5 (EDITORIAL CHANGES)
19971110	97-3	REVISION TO COAST DOWN TIME MEASUREMENT
19980209	98-1	REVISION TO SHIFT TIME DEFINITION AND INCLUSION OF SHIFT TIME PLOT
19980215		FIRST TEST ON NEW SYNCHRONIZER ASSEMBLY (PART NUMBER 320KB459)
19980626	98-2	DEFINED ACCEPTABLE HARDWARE CONFIGURATIONS. REVISED REPORT 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 THE LAST DAY OF THE CALIBRATION PERIOD.
19990625	99-2	REDEFINED ACCEPTABLE HARDWARE CONFIGURATIONS.
20000613	00-1	REQUIRED THE USE OF WELLMAN SINGLE BATCH FRICTION PLATES FOR TESTS STARTING ON OR AFTER 6/13/00
20020920	02-1	FAILING REFERENCE OIL RUN REQUIREMENT
20020920	02-1	TEST HARDWARE CORRECTION AND REVISIONS

HTCT INDUSTRY OPERATIONALLY VALID DATA

END OF TEST CYCLES

