



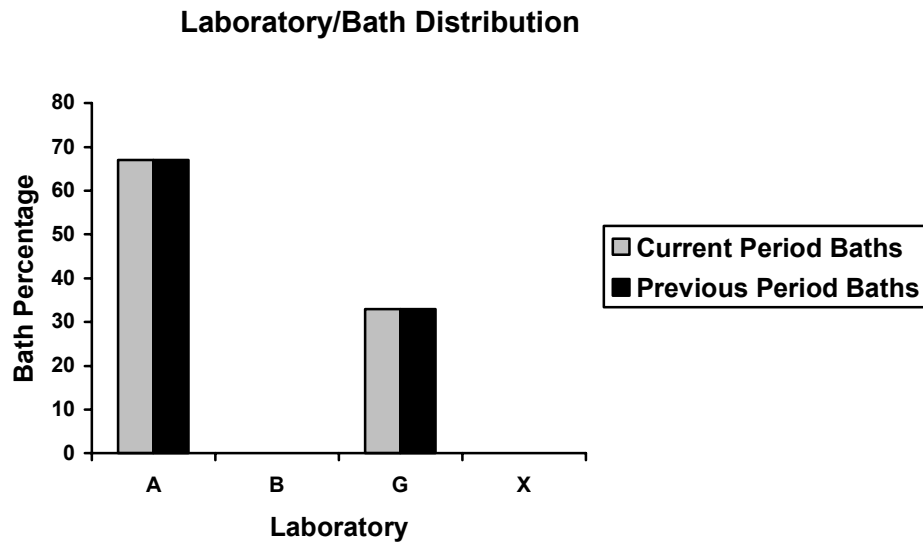
Test Monitoring Center

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

MEMORANDUM: 03-102
DATE: October 17, 2003
TO: Joe Franklin, Chairman, CBT Surveillance Panel
FROM: Jeff Clark
SUBJECT: Corrosion Bench Test Status from April 1, 2003 through September 30, 2003

A total of 28 Corrosion Bench Test results from three baths in two labs were reported to the TMC during the period from April 1, 2003 through September 30, 2003.

The following chart shows the distribution by laboratory.



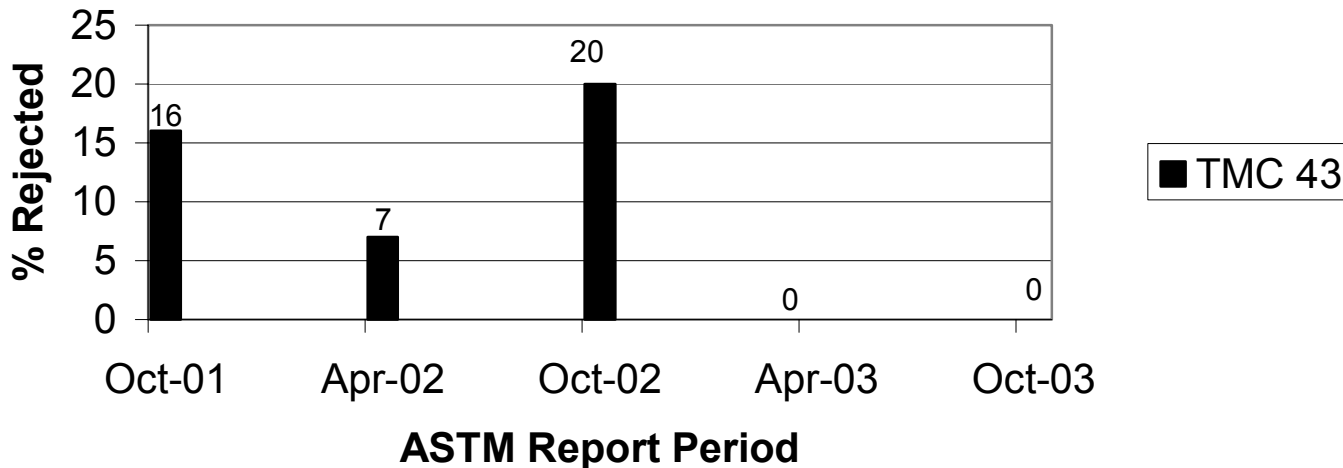
The following summarizes the status of the reference oil tests reported to the TMC:

	TMC Validity Codes	No. of Tests
Operationally and Statistically Acceptable	AC	27
Failed Acceptance Criteria	OC	0
Declared Invalid by Laboratory	LC	0
Aborted	XC	1
Total		28

There was one aborted test reported. The test was aborted due to a heater malfunction.

The following presents the fail rate for this period with the fail rates of previous periods.

Comparison of Rejection Rates for This Period Versus Previous Periods



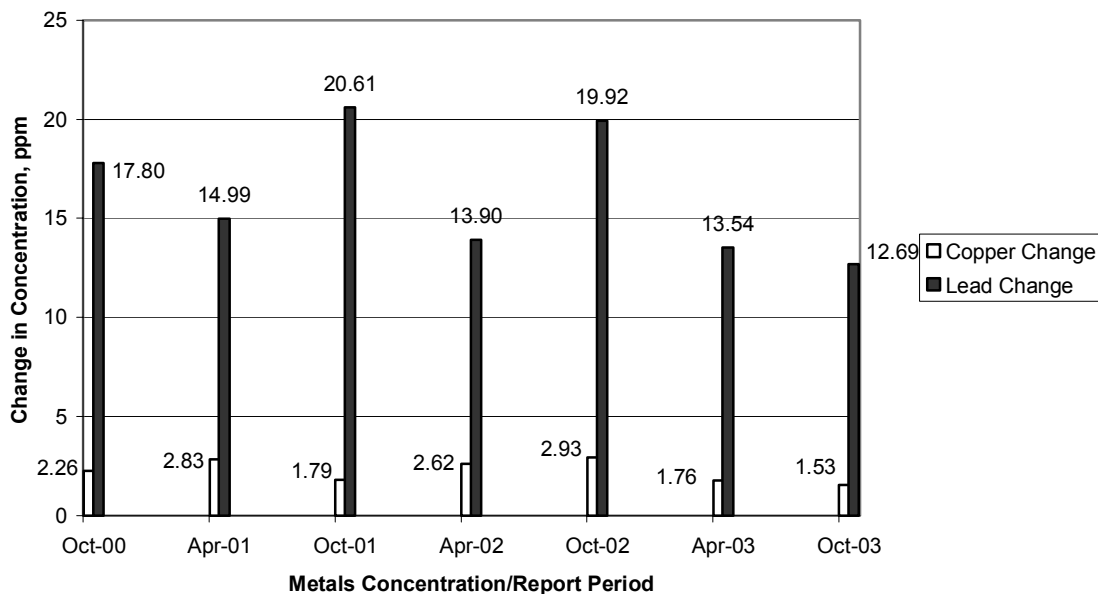
Industry Severity and Precision

The current severity for the change in metals concentration parameters on all operationally valid tests, for the current and previous periods, is tabulated below.

Period	n	Δ Cu	Δ Pb
		Mean Δ /s	Mean Δ /s
4/1/03 through 9/30/03	27	0.08	0.43
10/1/02 through 3/31/03	29	0.11	-0.04
4/1/02 through 9/30/02	41	0.32	0.38
10/1/01 through 3/31/02	27	0.37	-0.23
4/1/01 through 9/30/01	25	0.78	0.13

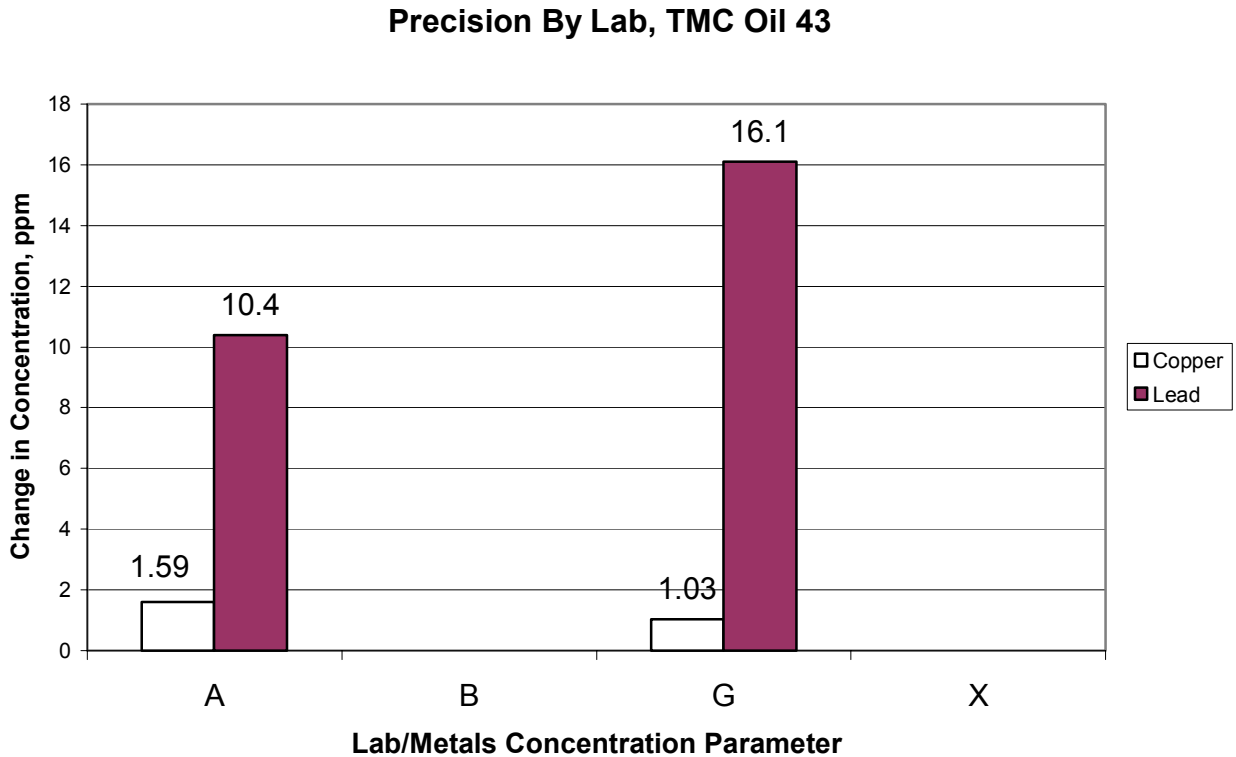
Figures 1 and 2 plot the Summation delta/s from target for both change in copper and change in lead, respectively. Figure 1 shows copper change to be on target for the period. Figure 2 shows lead change to be severe for the period. Precision estimates, by report period are depicted below. Precision for both Cu and Pb change show improvement compared to both the previous period and historical levels (see chart below).

Precision Estimates by ASTM Report Period



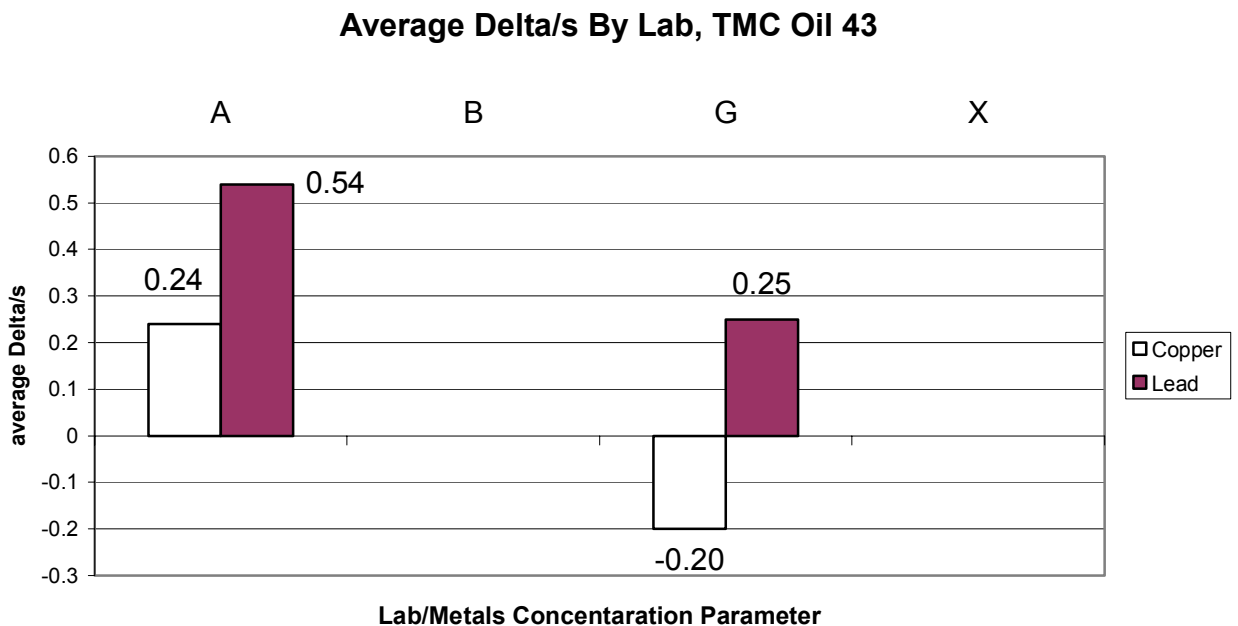
Laboratory Severity and Precision:

The following plot shows the precision for this period, by lab.



Precision estimates for Copper show better precision at lab G, while precision estimates for Lead show better precision at lab A. Precision estimates are not available for labs B and X (no test activity).

The following plot shows the average Δ /s by laboratory and concentration parameter for this



For both copper and lead, Lab A was severe compared to Lab G.

Reference Oil Supply

Reference oil quantities available at the laboratories and TMC, as well as estimated life of these oils, are tabulated below.

Oil	TMC Inventory, in gallons	TMC Inventory, in tests	Laboratory Inventory, in tests	Estimated life
43	60.9	~1950	20	10+ Years

Information Letters and Memorandum

Information Letter 03-1 was issued on September 22, 2003. Topics covered were air source, specimen immersion depth, and the report forms and data dictionary.

Additional Information

The CBT database is available on the TMC's website. If you have any questions on how to access this information, contact the TMC.

JAC/jac/mem03-102.jac.doc

c: CBT Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/bench/cbt/semiannualreports/cbt-10-2003.pdf>

J. L. Zalar

F. M. Farber

Distribution: Email

Figure 1
 CBT INDUSTRY OPERATIONALLY VALID DATA

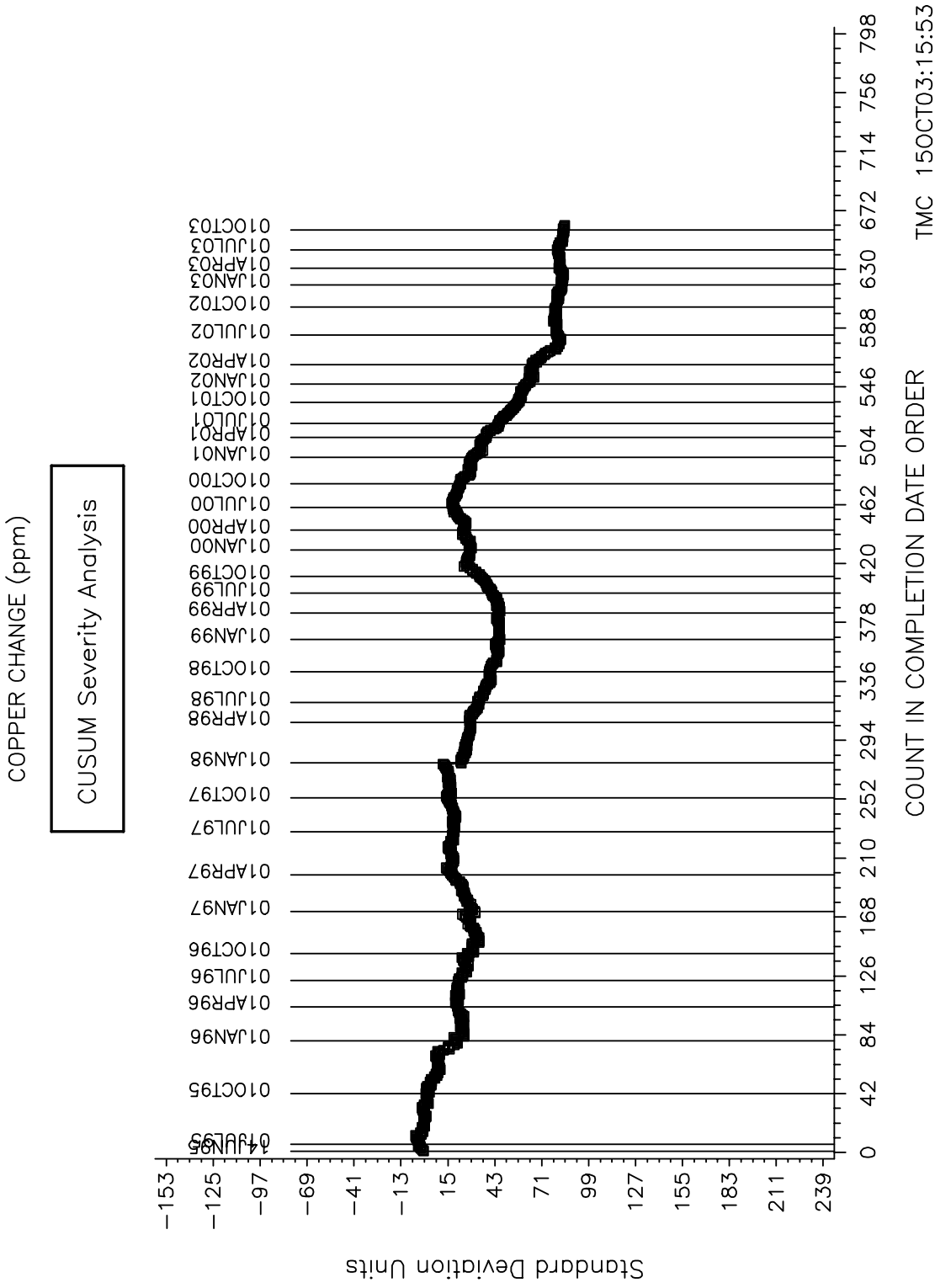


Figure 2
CBT INDUSTRY OPERATIONALLY VALID DATA

