



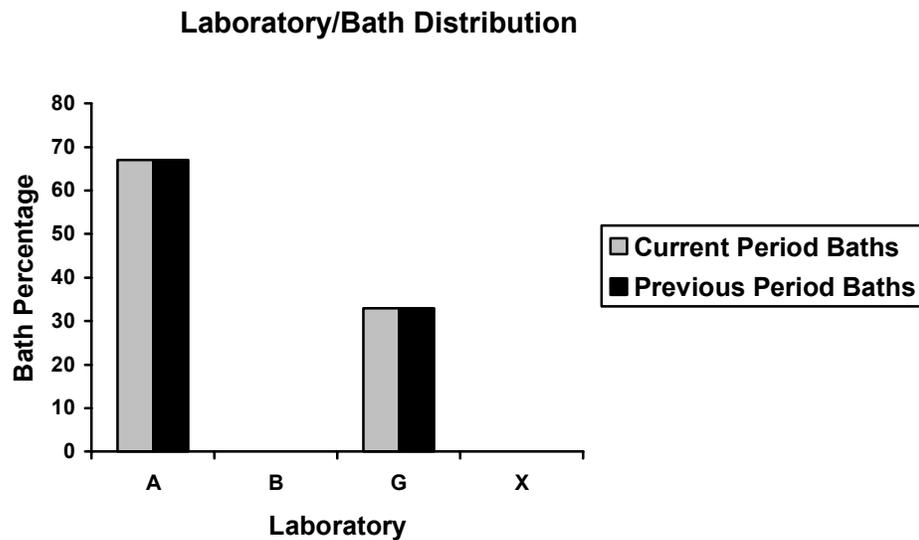
Test Monitoring Center

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Pittsburgh, PA 15206-4489
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MEMORANDUM: 05-085
DATE: November 14, 2005
TO: Gil Reinhard, Chairman, CBT Surveillance Panel
FROM: Jeff Clark
SUBJECT: Corrosion Bench Test Status for the October 2005 ASTM Report Period

A total of 40 Corrosion Bench Test results from three baths in two labs were reported to the TMC during the October 2005 ASTM report period, which began on April 1, 2005 and ended on September 30, 2005.

The following chart shows the distribution by laboratory.



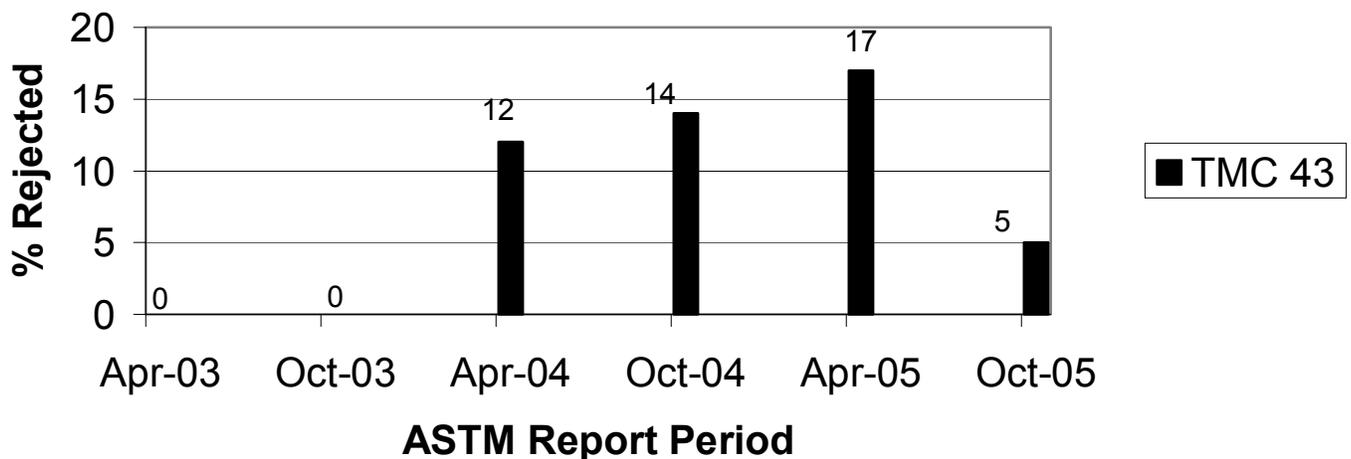
The following summarizes the status of the reference oil tests reported to the TMC:

	TMC Validity Codes	No. of Tests
Operationally and Statistically Acceptable	AC	20
Failed Acceptance Criteria	OC	1
Operationally Invalid	LC	6
Donated	AG	12
Donated, Operationally Invalid	LG	1
Total		40

One test failed the acceptance criteria due to mild lead results. All the operationally invalid tests (LC and LG validities) were run on the wrong coupon batch. The 12 donated tests were run as part of the industry matrix on a new coupon batch.

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

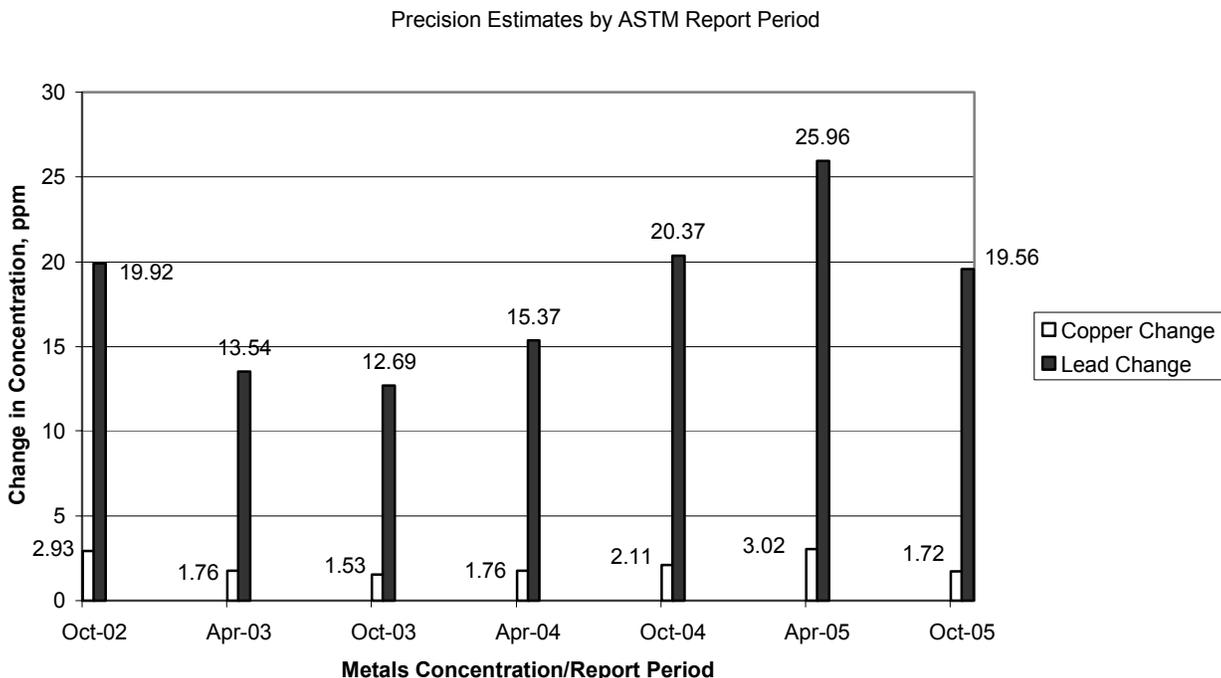


Industry Severity and Precision

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

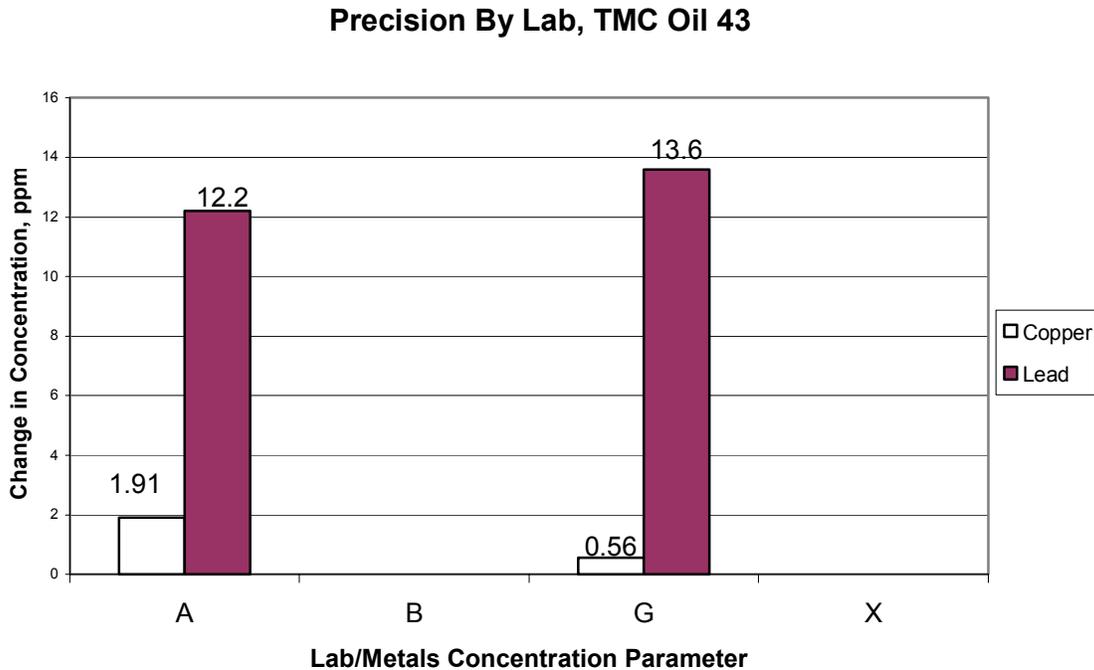
Period	n	Δ Cu	Δ Pb
		Mean Δ /s	Mean Δ /s
4/1/05 through 9/30/05	21	-0.16	-0.14
10/1/04 through 3/31/05	23	-0.50	-1.17
4/1/04 through 9/30/04	29	0.04	0.38
10/1/03 through 3/31/04	33	0.64	1.03
4/1/03 through 9/30/03	27	0.08	0.43

Figures 1 and 2 plot the Summation delta/s from target for change in copper and change in lead, respectively. Both copper and lead change are trending slightly mild for the period. Precision estimates, by report period are depicted below. Precision for both Cu and Pb change show improvement compared to the most recent period (see chart below).



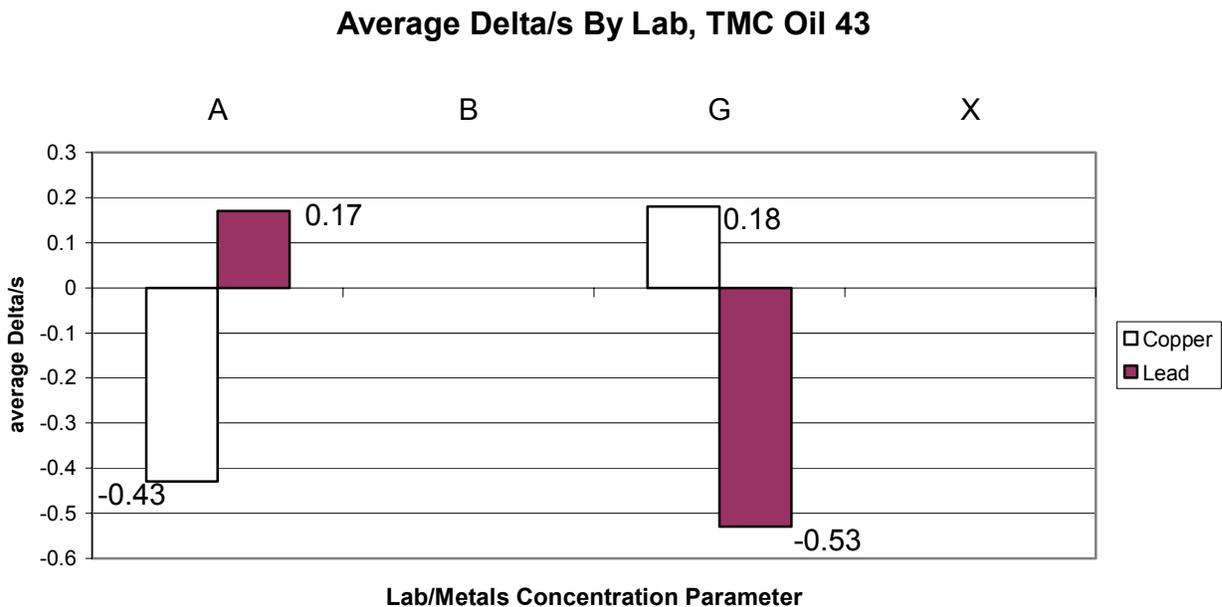
Laboratory Severity and Precision

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



Precision estimates for Copper shows better precision at lab G. Precision estimates for Lead shows 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 ASTM report period.



For copper, Lab A was mild compared to Lab G. For lead, Lab G was mild compared to Lab A.

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	56.5	~1800	22	10+ Years

Information Letters

No information letters were issued this report period.

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/mem05-085.jac.doc

c: CBT Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/bench/cbt/semiannualreports/cbt-10-2005.pdf>

J. L. Zalar

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Distribution: Email

Figure 1
CBT INDUSTRY OPERATIONALLY VALID DATA

COPPER CHANGE (ppm)

CUSUM Severity Analysis

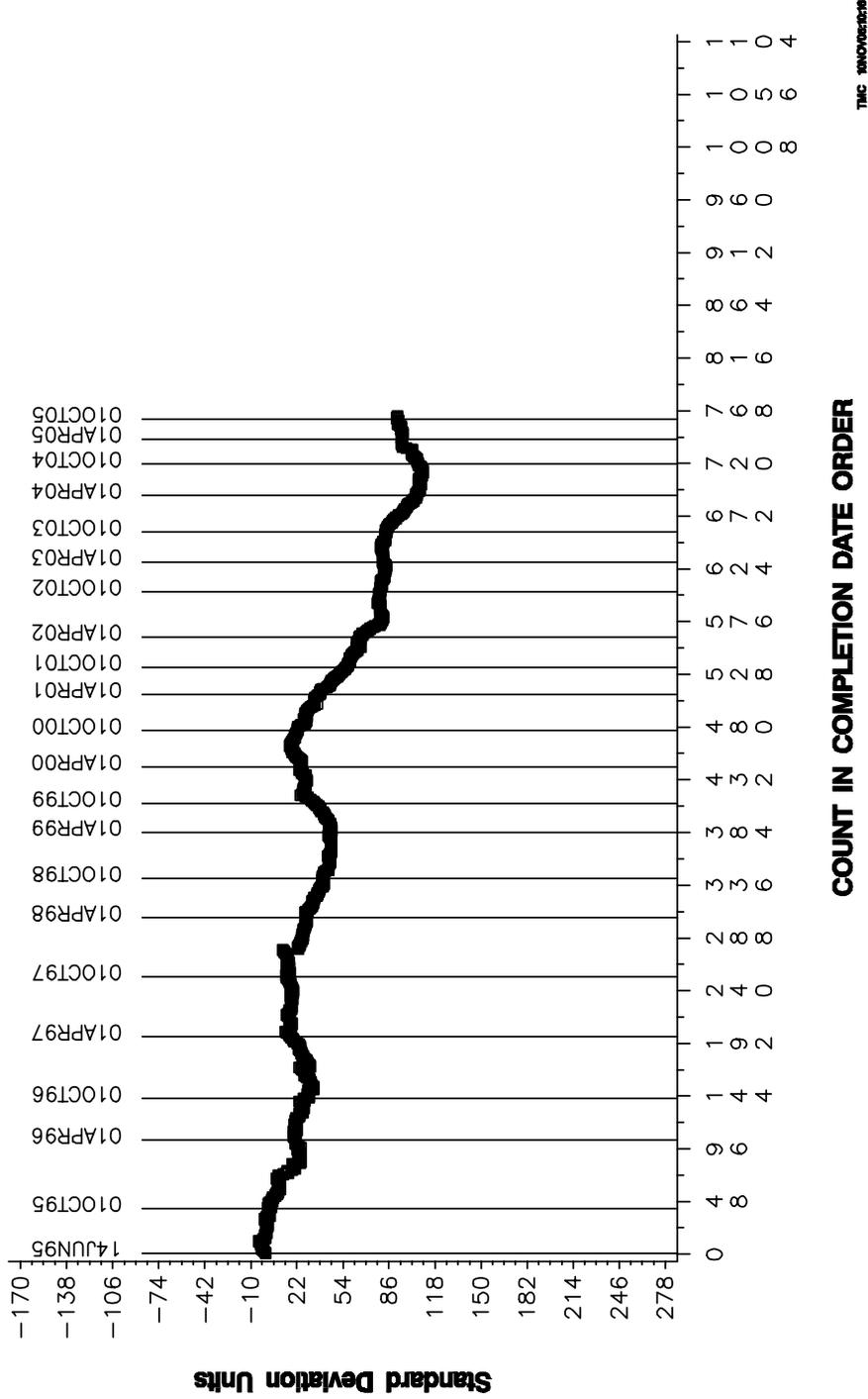


Figure 2
CBT INDUSTRY OPERATIONALLY VALID DATA

