

Test Monitoring Center

http://astmtmc.cmu.edu

ASTM Reference Testing Semi-Annual Report HTCBT

April 2020

HTCBT Test Activity*

Test Status	Validity Code	Number of Tests
Acceptable Calibration Test	AC	247
Failed Calibration Test	OC	15
Operationally Invalid, by lab	LC	8
Acceptable Shakedown Run	NN	10
Unacceptable Shakedown Run	MN	17
Total		297

*October 1, 2019 – March 31, 2020





HTCBT Failed Tests

Failed Parameter	Number of Tests
Severe Lead Concentration	9
Severe Copper Concentration	2
Severe Copper & Lead Concentration	2
Mild Copper Concentration	2
Total	15



HTCBT Lost Tests*

Status	Cause	
Invalid	Heater Malfunction	2
Invalid	Airflow Control Problems	4
Invalid	Water Contamination	1
Invalid	Wrong oil used	1
Total		8

*Invalid and aborted calibration tests



HTCBT Test Severity

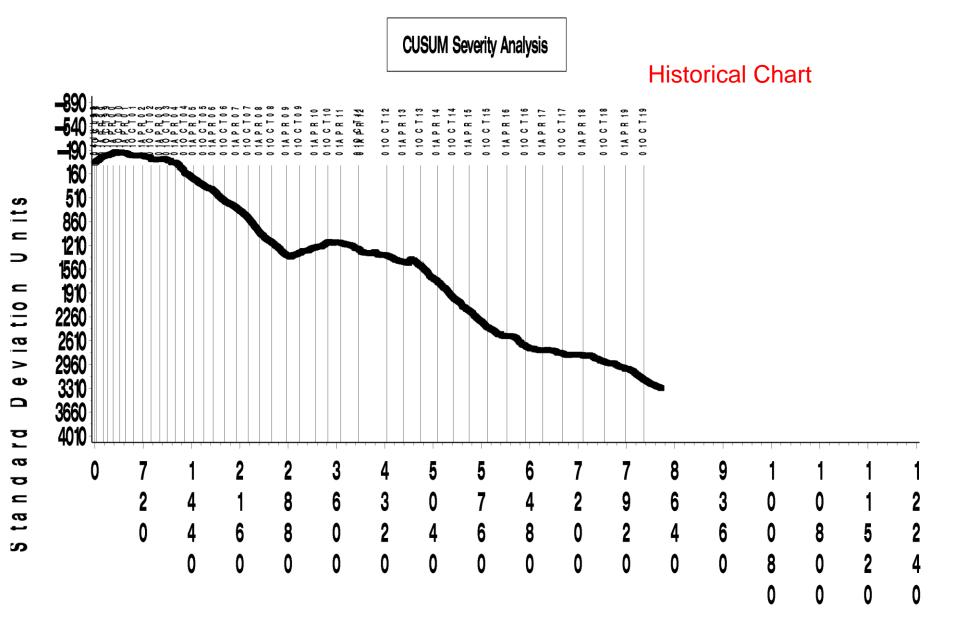
- Copper concentration trending severe
- Lead concentration trending severe





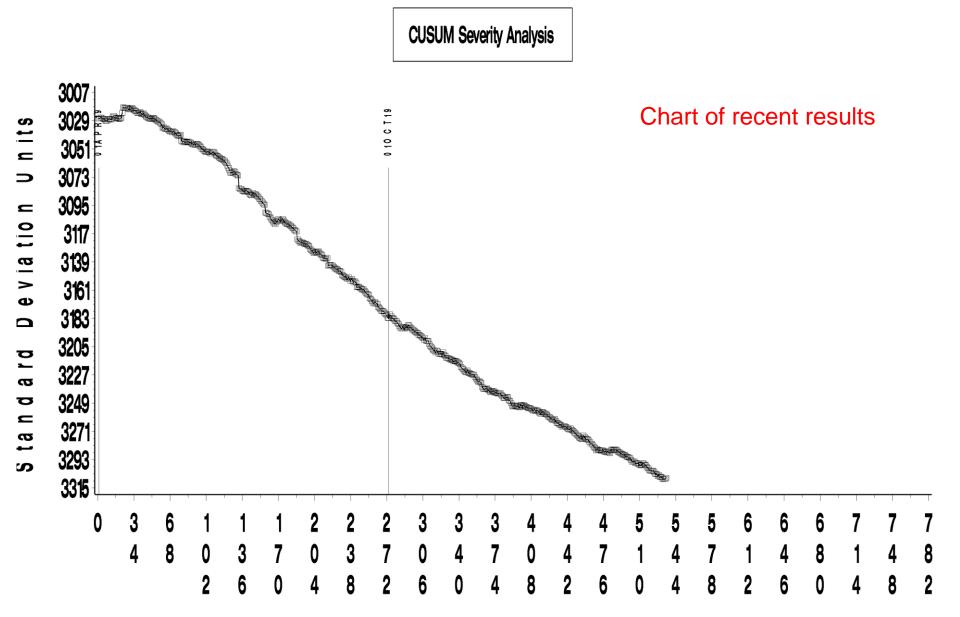


COPPER CHANGE (ppm)



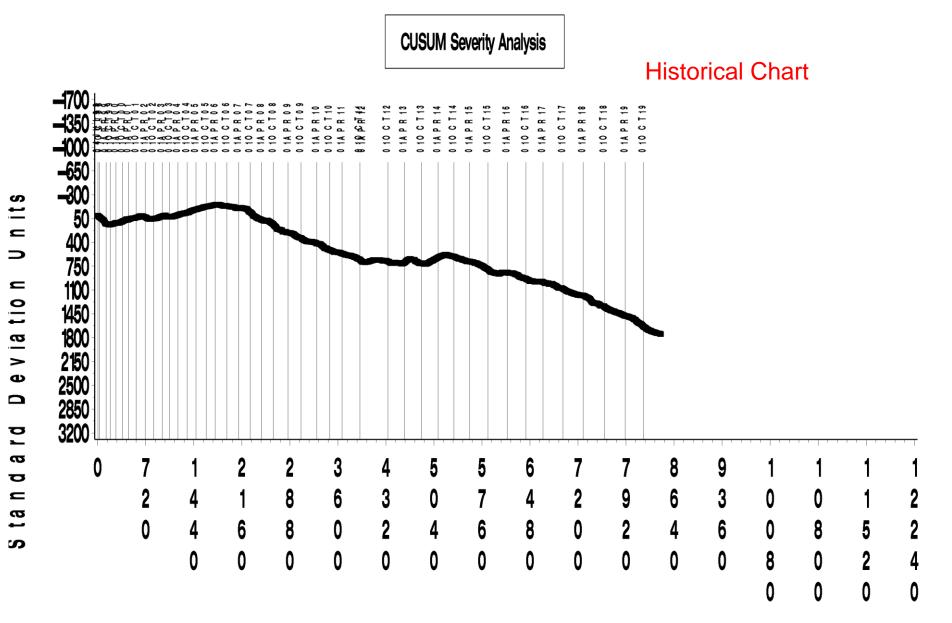


COPPER CHANGE (ppm)



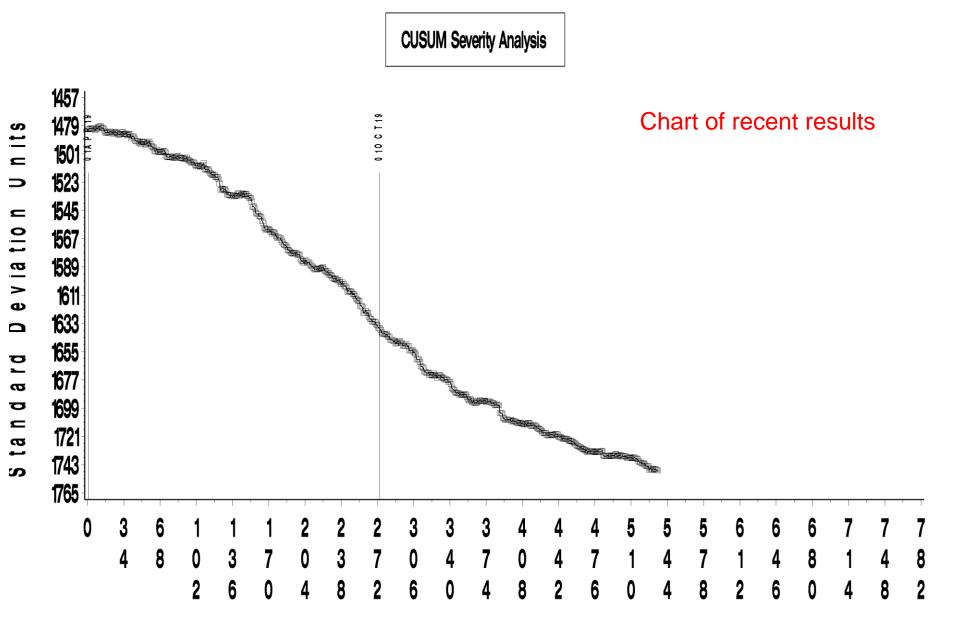


LEAD CHANGE (ppm)



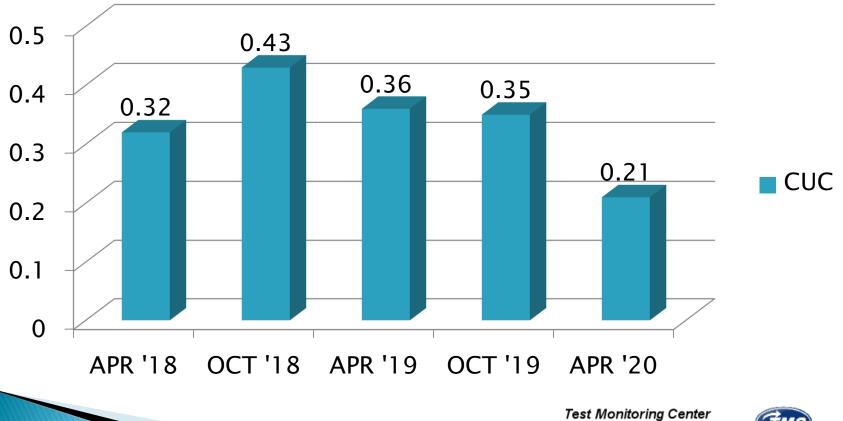


LEAD CHANGE (ppm)



HTCBT Precision Estimates

CUC

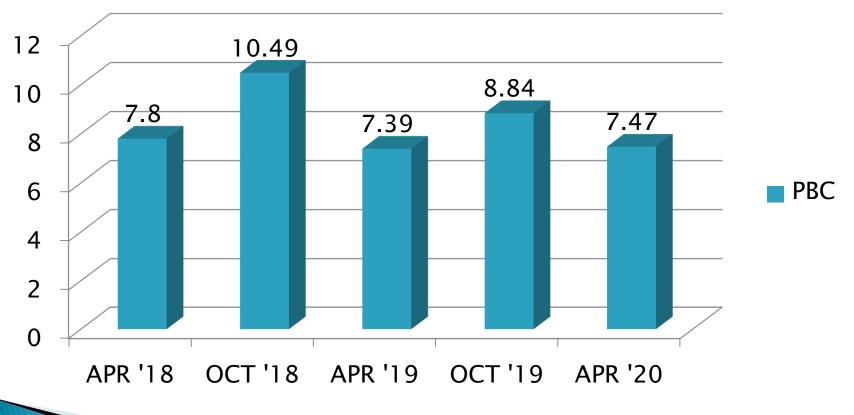


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HTCBT Precision Estimates

PBC



Test Monitoring Center



Information Letters*

Те	st Date	IL	Торіс
HT	BT 10/31/20	9 19-2	Clarification of Test Result Calculation Precision and Reporting

*Available from TMC Website





Reference Oil Inventory Estimated Life

Oil	TMC Inventory (gallons)	Quantity Shipped in last 6 months (gallons)	Lab Inventory (samples)	Estimated Life
44-4	19.1	3.2	135	2.5 years
1005-5	37.5	6.3	245	3 years





Miscellaneous Information

- Available on TMC Website:
 - Oil Assignment Request and Test File Upload
 - Live Reference Test Data Bases
 - Surveillance Panel Meeting Minutes
- www.astmtmc.cmu.edu





