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Test Monitoring Center

<http://astmtmc.cmu.edu>

ASTM Reference Testing Semi-Annual Report BRT

April 2020

BRT Test Activity*

Test Status	Validity Code	Number of Tests
Acceptable Calibration Test	AC	182
Failed Calibration Test	OC	10
Operationally Invalid, by Lab	LC	2
Operationally Invalid, by TMC	RC	1
Acceptable Shakedown Run	NN	6
Invalid Shakedown Run	LN	1
Total		202

*October 1, 2019 – March 31, 2020

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BRT Failed Tests

Failed Parameter	Number of Tests
Severe Average Gray Value	4
Mild Average Gray Value	6
Total	10

BRT Lost Tests*

Status	Cause	#
Invalid	Air Flow Control Problem	1
Invalid	Runtime Length	1
Invalid	Variance from ASTM Method	1
Total		3

*Invalid and aborted calibration tests

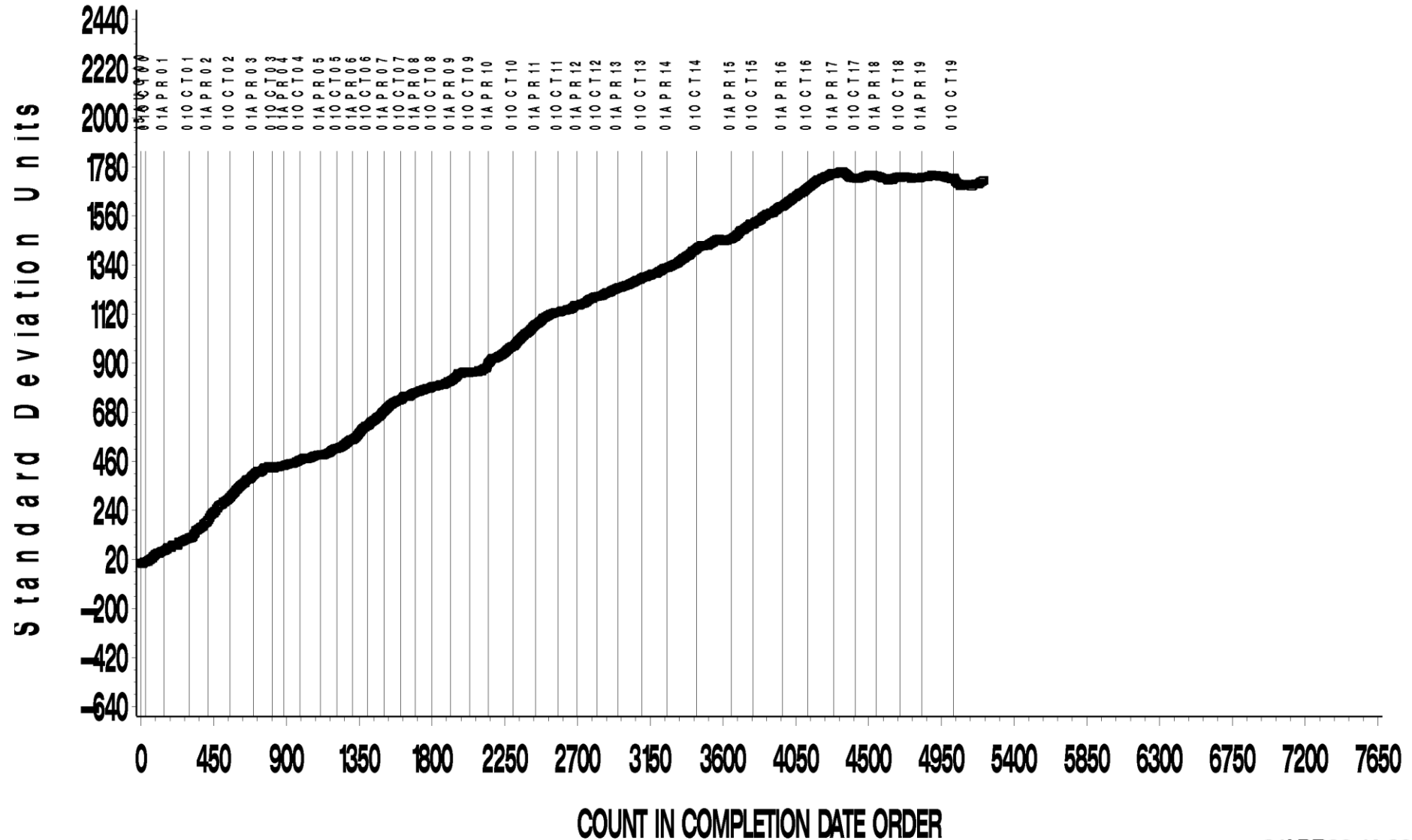
BRT Test Severity

- ▶ Average gray value is on target

REFERENCE AVERAGE GRAY VALUE

CUSUM Severity Analysis

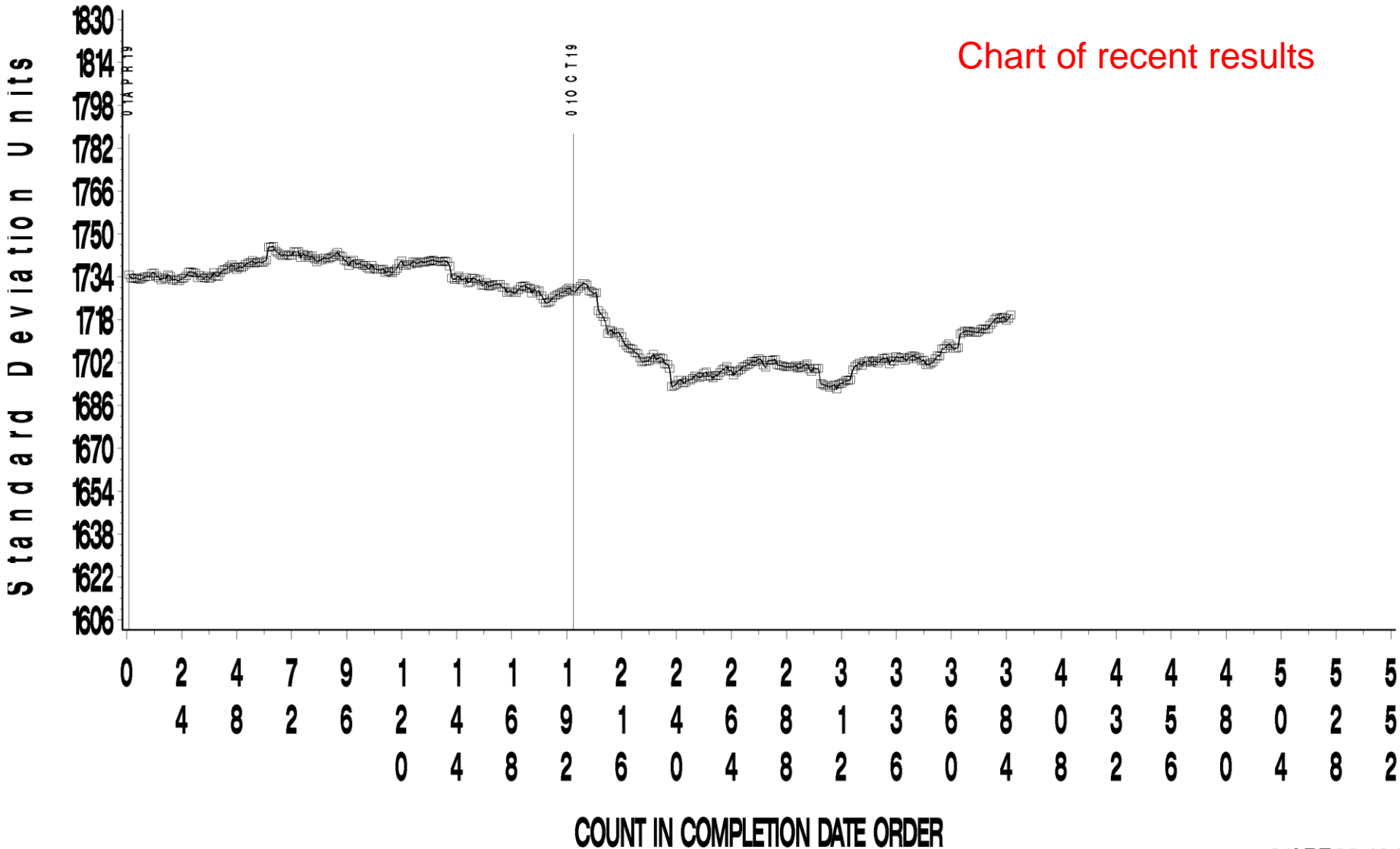
Historical Chart



REFERENCE AVERAGE GRAY VALUE

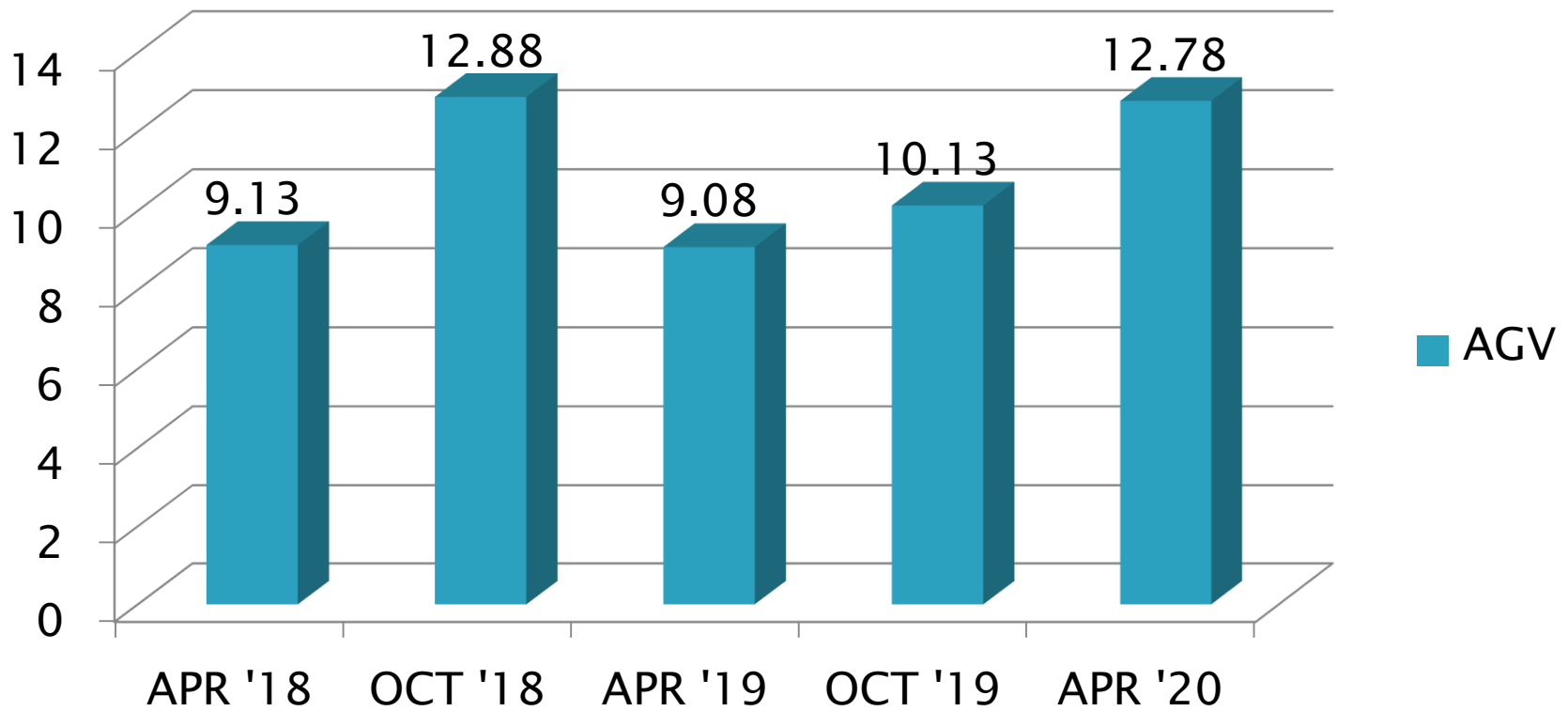
CUSUM Severity Analysis

Chart of recent results



BRT Precision Estimates

AGV



Information Letters*

Test	Date	IL	Topic
			No new information letters this period.

*Available from TMC Website

Reference Oil Inventory Estimated Life

Oil	TMC Inventory (gallons)	Quantity Shipped in last 6 months	Lab Inventory (samples)	Estimated Life
1006	32.1	0.5	59	5+ years
82-1	4.5	0.5	58	4 years
86	51.8	0.5	60	5+ years
87	95.6	0.5	60	5+ 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



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