



A Program of ASTM International

Test Monitoring Center

<https://www.astmtmc.org>

ASTM Reference Testing Semi-Annual Report ASTM D6557 – BRT

October 2022

BRT Test Activity*

Test Status	Validity Code	Number of Tests
Acceptable Calibration Test	AC	132
Failed Calibration Test	OC	24
Operationally Invalid, by Lab	LC	1
Aborted Calibration Run	XC	2
Acceptable Shakedown Run	NN	1
Total		160

- 5 labs reported data

*April 1, 2022 – September 30, 2022

BRT Failed Tests

Failed Parameter	Number of Tests
Severe Average Gray Value	16
Mild Average Gray Value	8
Total	24

BRT Failed Tests by Lab

Failed Parameter	LTMS Lab					#
	A	B	D	G	L	
Severe Average Gray Value	1	0	6	9	0	16
Mild Average Gray Value	0	0	4	4	0	8
Total	1	0	10	13	0	24

BRT Lost Tests*

Status	Cause	#
Invalid	Sample Lost	1
Aborted	Shaker table malfunction	2
Total		3

*Invalid and aborted calibration tests

BRT Lost Tests by Lab

Cause	LTMS Lab					#
	A	B	D	G	L	
Sample Lost	0	0	0	0	1	1
Shaker table malfunction	0	0	0	0	2	2
Total	0	0	0	0	3	3

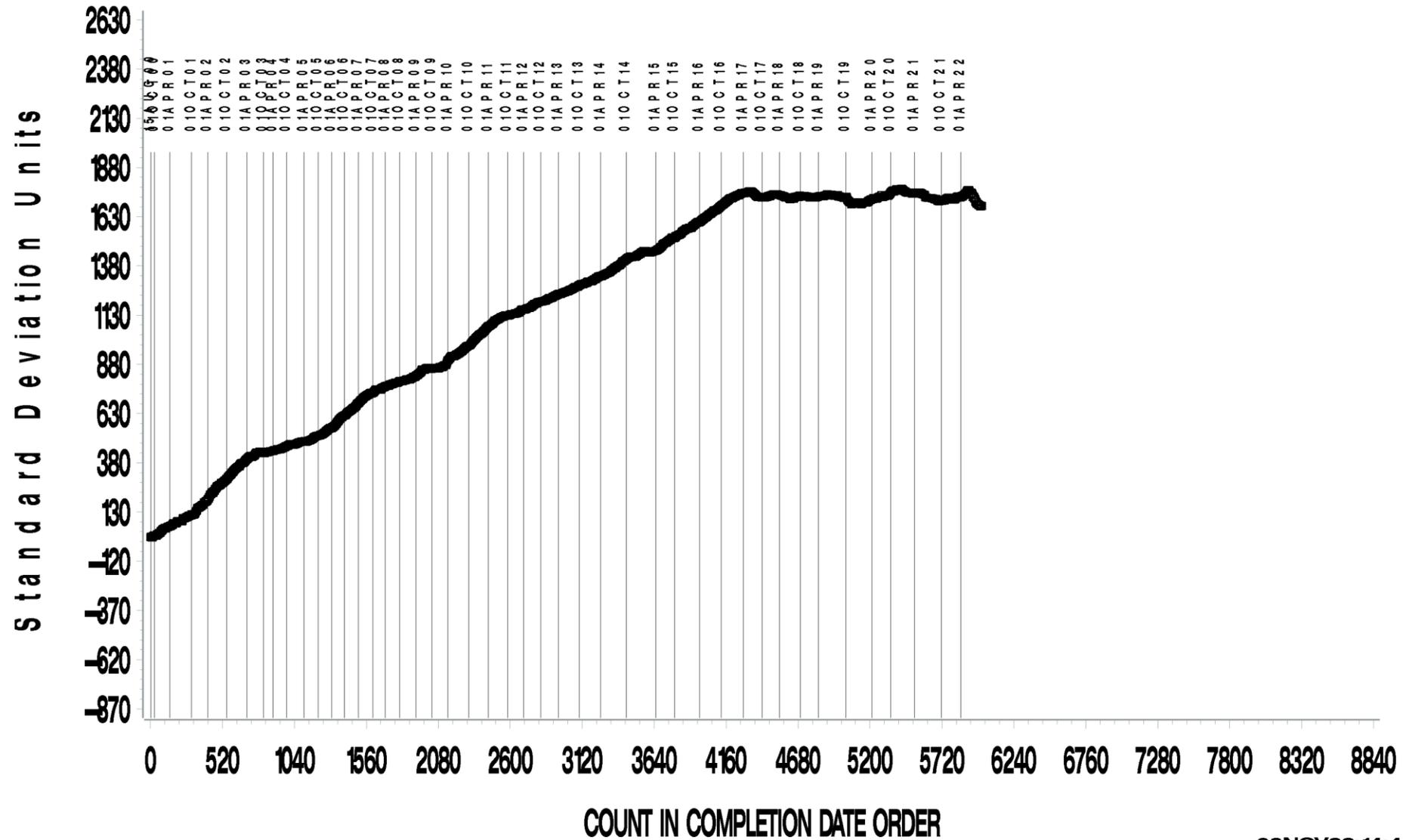
BRT Test Severity

- ▶ Average gray value is trending severe.

REFERENCE AVERAGE GRAY VALUE

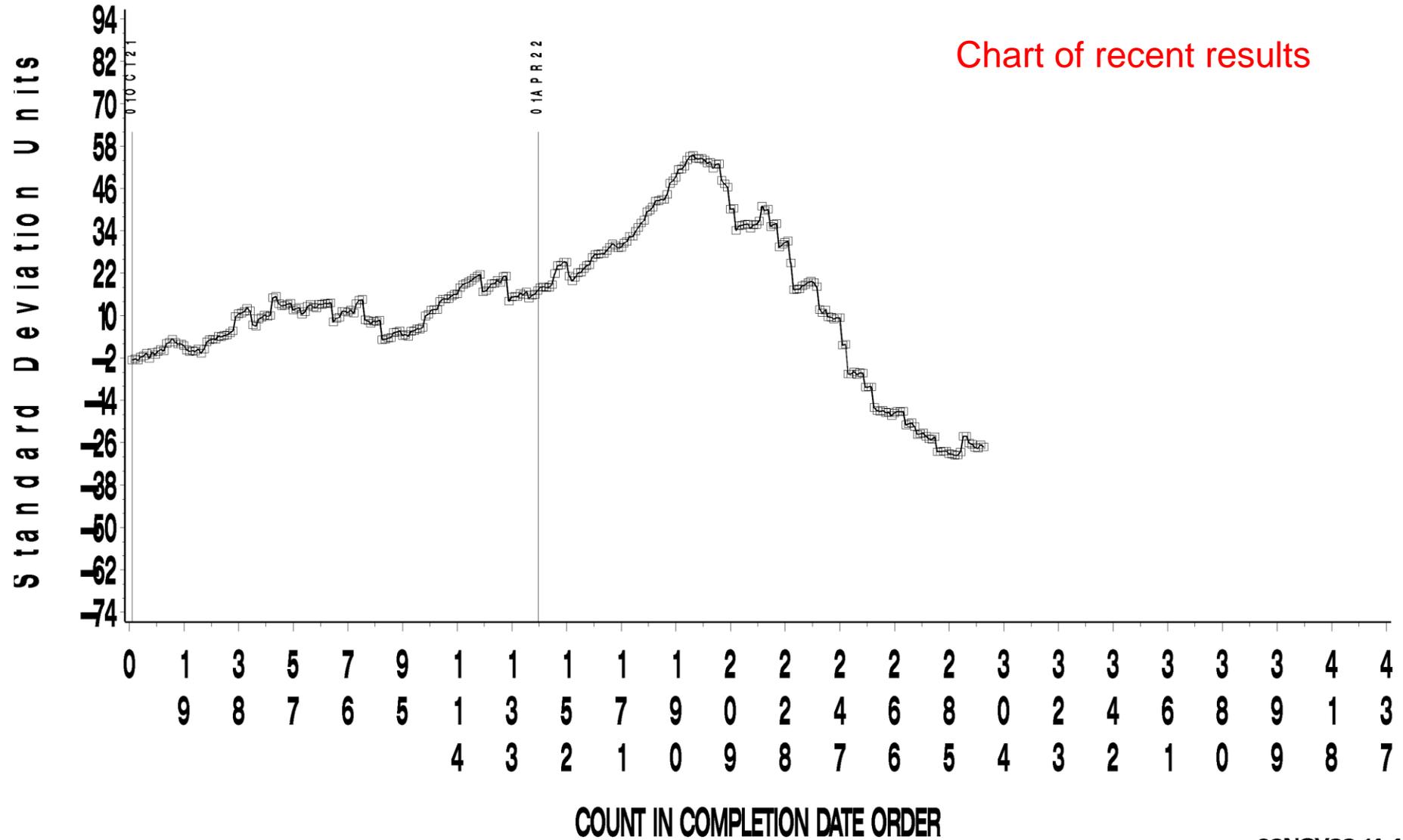
CUSUM Severity Analysis

Historical Chart

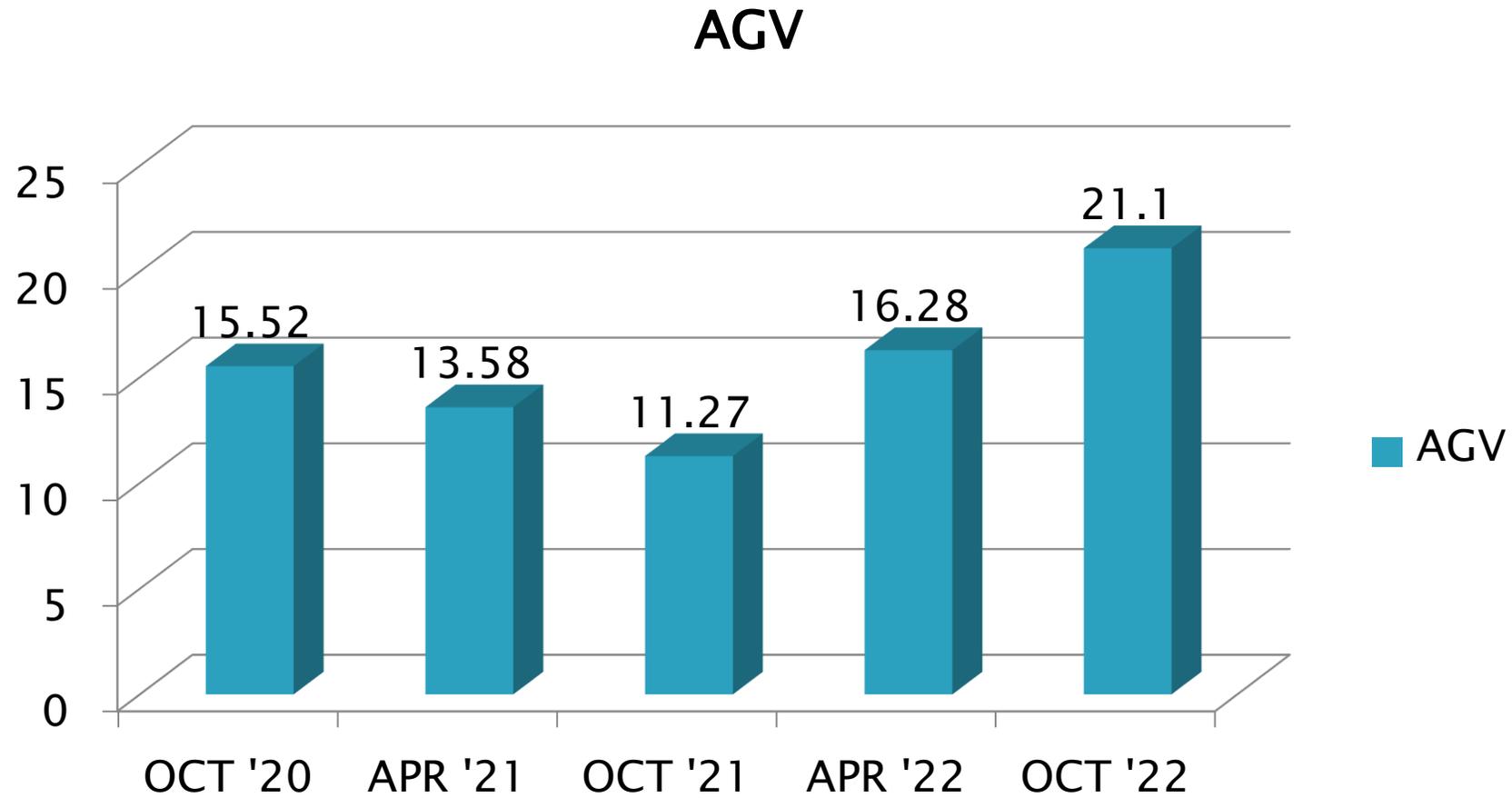


REFERENCE AVERAGE GRAY VALUE

CUSUM Severity Analysis



BRT Precision Estimates



Information Letters*

Test	Date	IL	Topic
			No new information letters this period.

*Available from TMC Website

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Reference Oil Inventory Estimated Life

Oil	TMC Inventory (gallons)	Quantity Shipped in last 6 months (gallons)	Lab Inventory (samples)	Estimated Life
1006	30.0	0.3	43	5+ years
82-1	2.5	0.3	38	3 years
86	50.3	0.3	41	5+ years
87	94.1	0.3	41	5+ years

Miscellaneous Information

- ▶ Available on TMC Website:
 - Oil Assignment Request and Test File Upload
 - Live Reference Test Data Bases
 - Surveillance Panel Meeting Minutes
- ▶ <https://www.astmtmc.org/>



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