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Test Monitoring Center

<http://astmtmc.cmu.edu>

GMAER Reference Test Activity

All Reference data completed 9/1/20 through 3/31/21

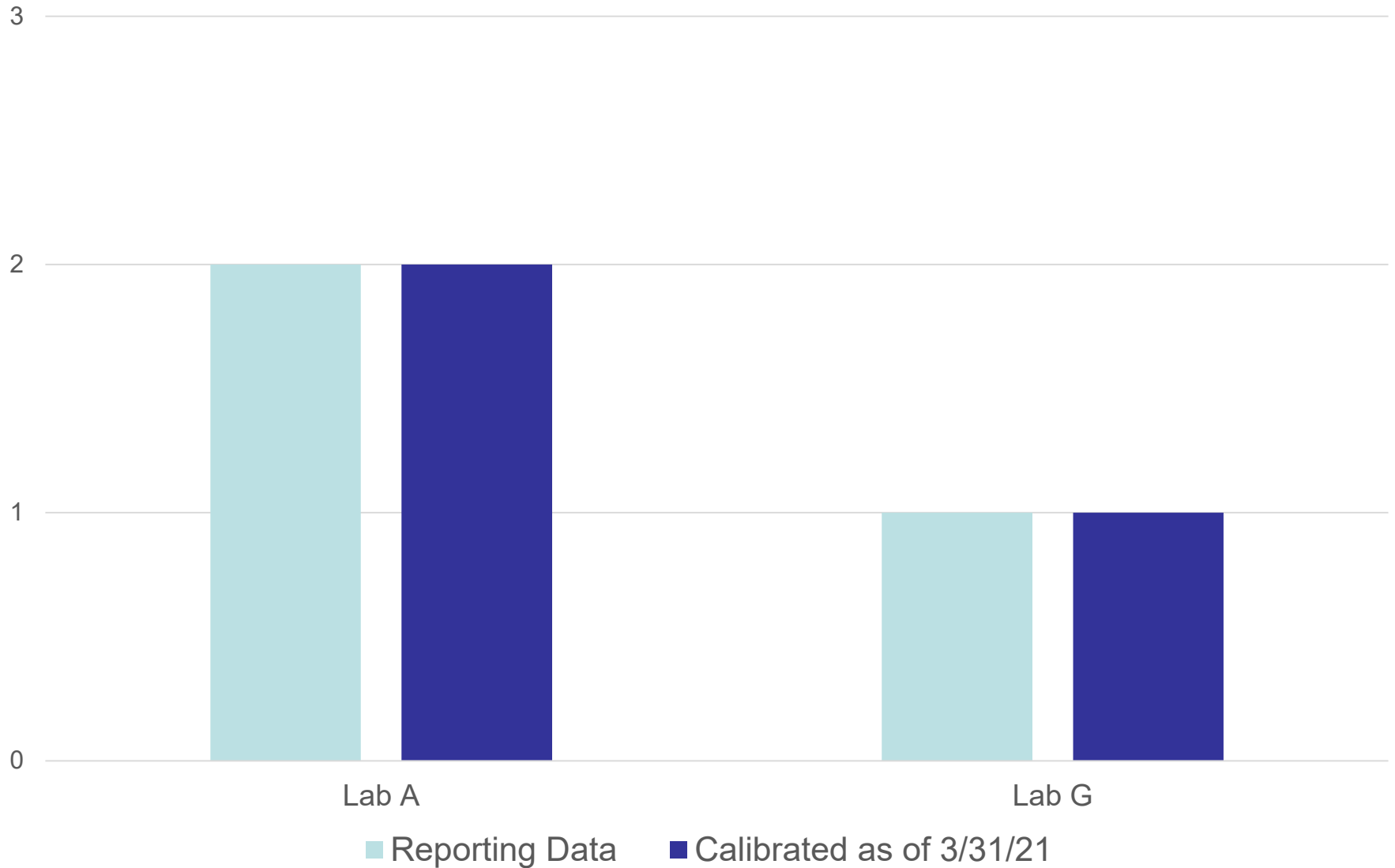
Summary of Activity

- Since 2019, Aeration % severity has been consistently milder than Pre-2017 severity.
 - Applies to reference oil (multiple reblends), baseline oil, and labs

GMAER Activity

Test Status	Validity Code	#
Acceptable Calibration Test	AC	3
Statistically Unacceptable Calibration Test	OC	0
Aborted Calibration Test	XC	0
Invalid Calibration Test	LC	0
Total		3

Calibrated Labs and Stands



GMAER - Failed Tests

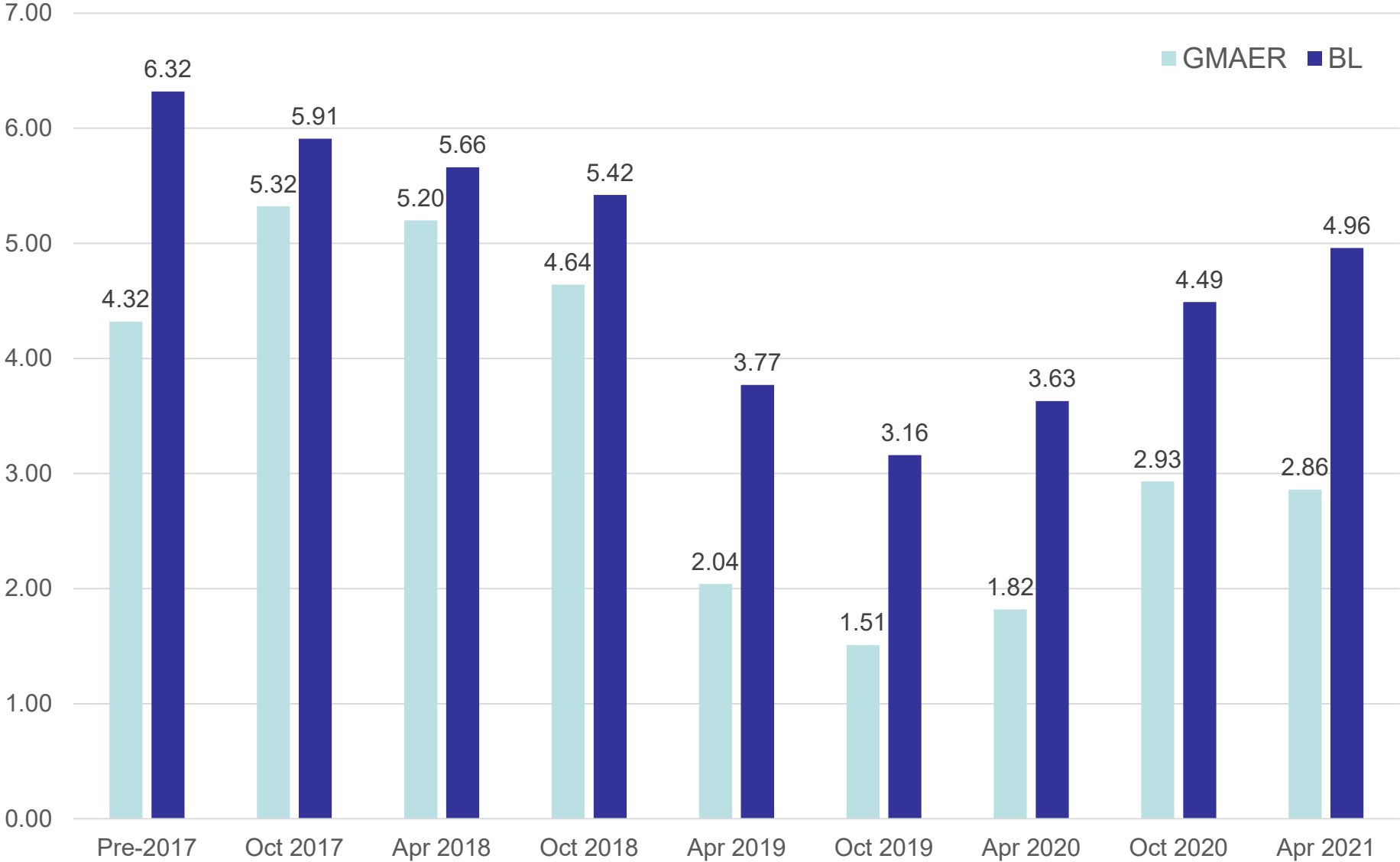
Test Status	#
No failed tests	-
Totals	0

GMAER - Lost Tests*

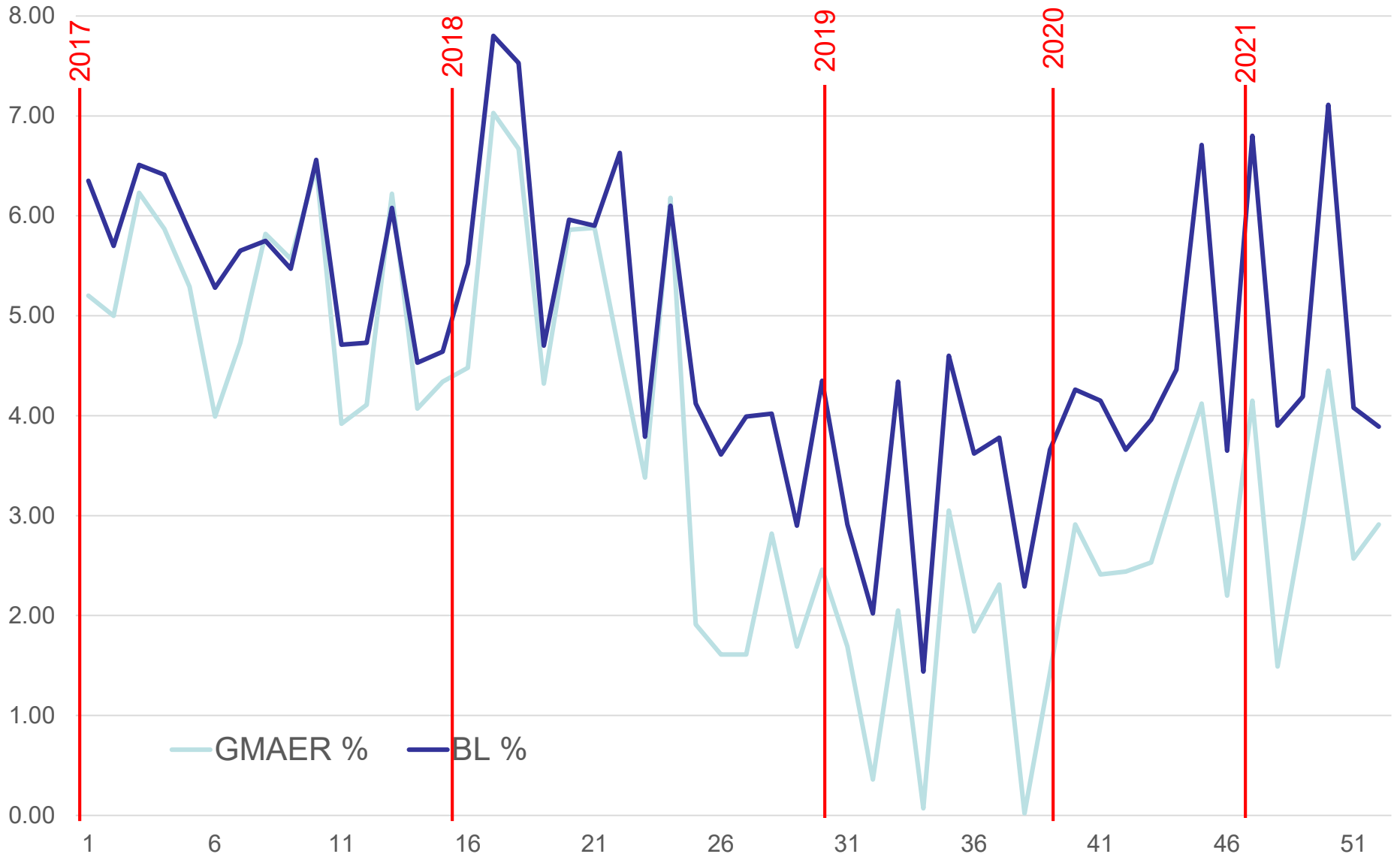
Test Status	#
No lost tests	-
Totals	0

*Invalid and aborted tests

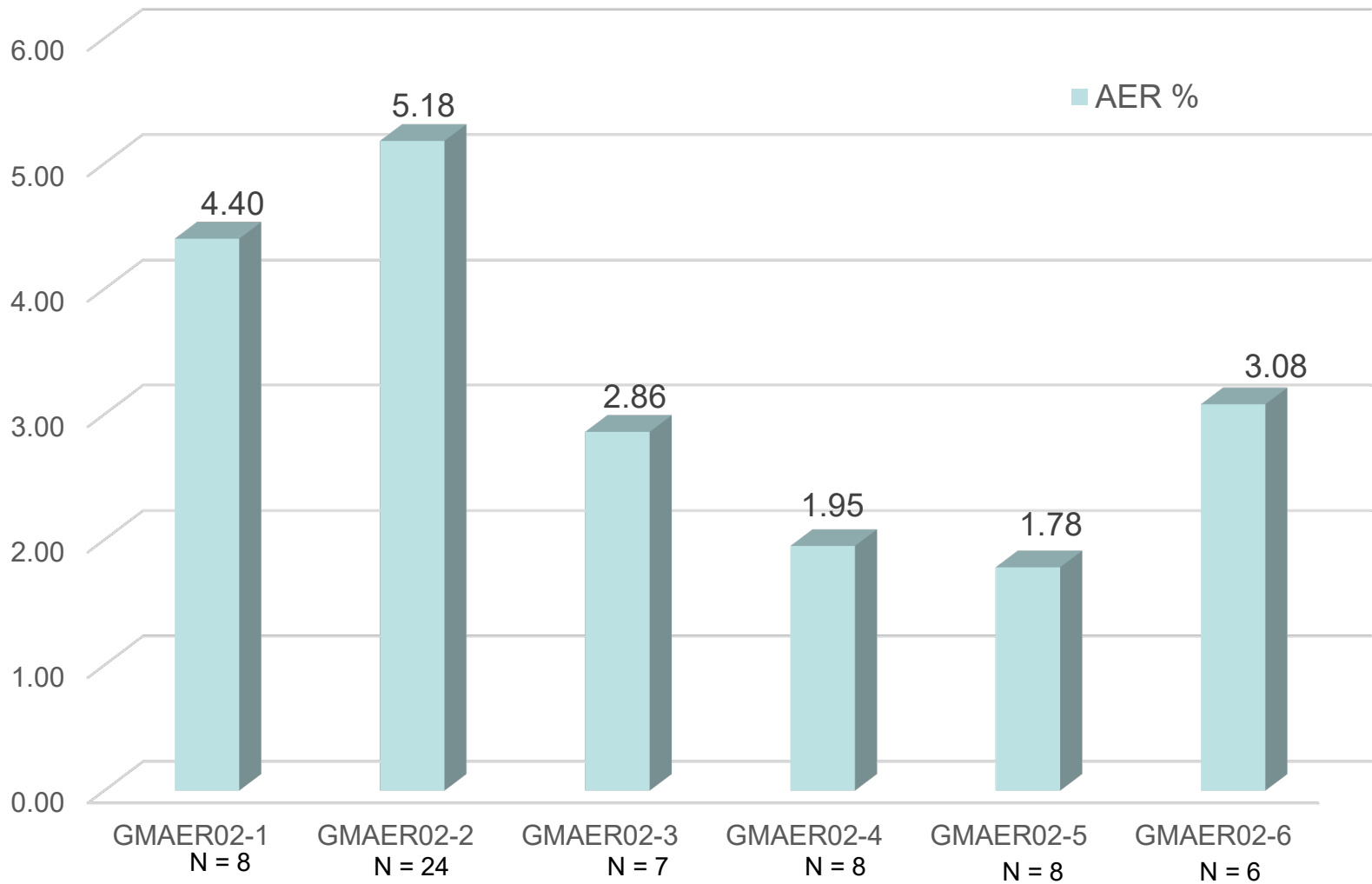
Average Aeration by Report Period



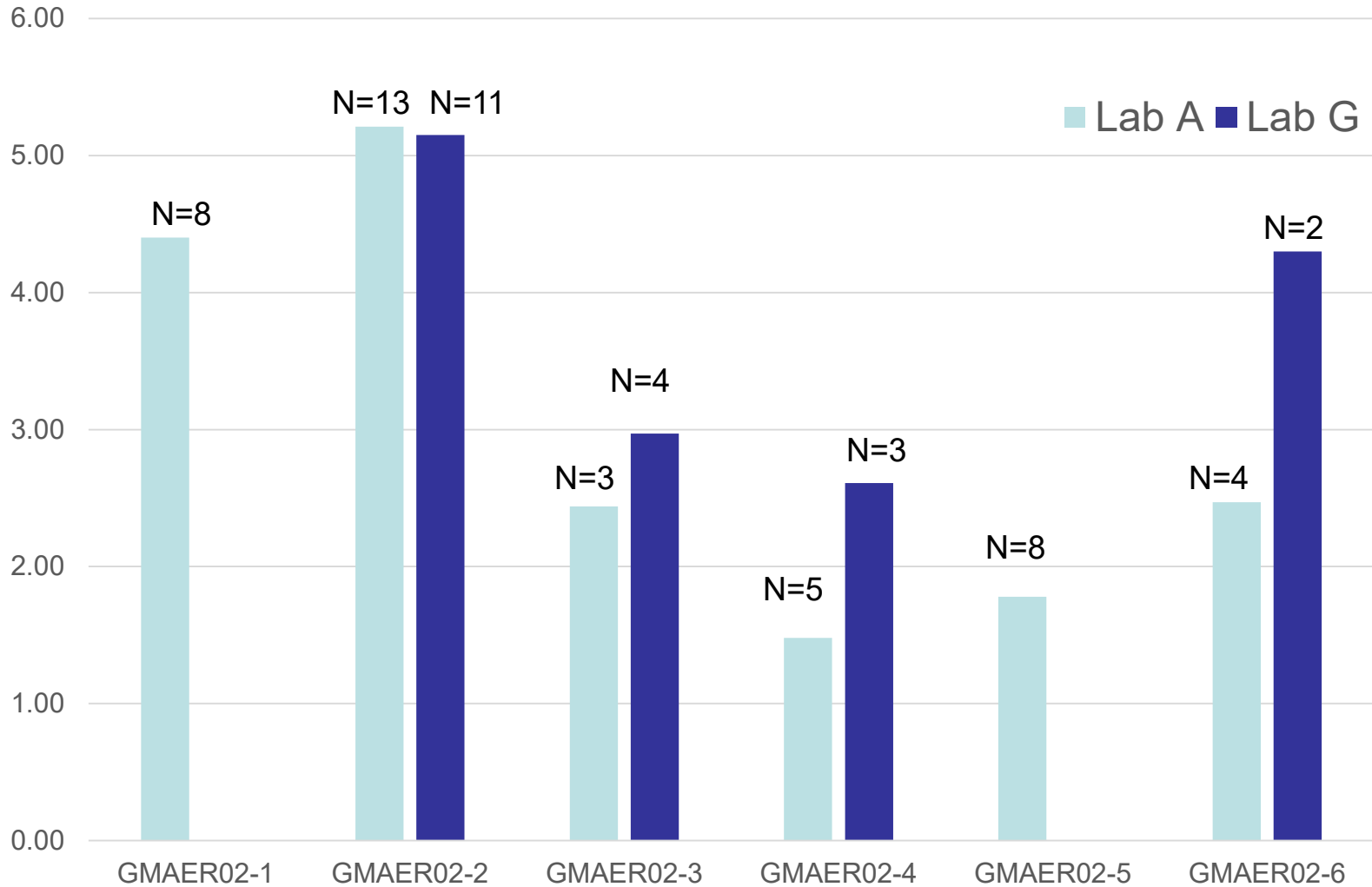
GMAER02 and GMAERBL Reference Test Results



Average AER by Reference Oil Batch



Average Aeration by Lab and Reference Oil Blend



Reference Oil Inventory Estimated Life

Oil	Original Quantity (gallons)	TMC Inventory (gallons)	Lab Inventory (samples)	Estimated Life
GMAER02-5	52	0	1	< 6 months
GMAER02-6	50	15	3	< 6 months
GMAER02-7	103	97	1	~1 year
GMAERBL-7*	530	370	-	~1 year

*Reblend, GMAERBL-8, is being pursued



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