

VH - Report Period: APR 2024
Where SAE vis grade is 0W-16, 0W-20, 0W-30, 5W-20, 5W-30, or 10W-30
Status Of Reported Tests

STATUS	COUNT	PERCENT
Aborted	8	12.500
Invalid	1	1.563
Undefined RSI Validity Code - VF	1	1.563
Valid	54	84.375
Total Reported Tests	64	100.000

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Itemized Lost Test Report

Obs	Date	TESTKEY	REASON
1	20231006	ACC-34381	Test Aborted Due To Engine Failure.
2	20231009	ACC-33646	Test Aborted Due To Loss Of Compression
3	20231013	ACC-34428	Test Invalid Due To Abnormal Cam Bearing Wear
4	20231030	ACC-34557	Test Aborted Due To Bent Valves Caused By Incorrect Valve Timing.
5	20231101	ACC-34572	Test Aborted Due To Unknown Metal Shavings In Oil, Found In An Oil Leak.
6	20231220	ACC-34491	Test Aborted Due To Abnormal Camshaft Bearing Wear
7	20240116	ACC-35081	No Explanation Available
8	20240118	ACC-34656	Test Aborted Due To Failed Cam Bearings
9	20240123	ACC-34747	Test Aborted Due To Failed Cam Bearings
10	20240308	ACC-35378	Test Aborted Due To Excessive Downtime.

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Replicate Database Report

Components of Replicate Database	APR 2024	All Periods
Number of Tests	6	26
Formulations	3	12
Labs	2	2
Stands	4	9

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by-Formulation Pooled s and Reproducibility of Replicate Data

Report Period	Parameter	Degrees of Freedom	Pooled s	R
APR 2024	AES	3	0.90762	2.54132
APR 2024	RACS	3	0.52574	1.47207
APR 2024	AEV50	3	0.16803	0.47048
APR 2024	APV	3	0.52224	1.46227
APR 2024	AES (Without SA)	3	0.88760	2.48528
APR 2024	RACS (Without SA)	3	0.54938	1.53826
APR 2024	AEV50 (Without SA)	3	0.18453	0.51667
APR 2024	APV50 (Without SA)	3	0.39043	1.09320
All	AES	14	0.58497	1.63793
All	RACS	14	0.28934	0.81016
All	AEV50	14	0.25337	0.70942
All	APV	14	0.70822	1.98302
All	AES (Without SA)	14	0.58332	1.63330
All	RACS (Without SA)	14	0.28129	0.78761
All	AEV50 (Without SA)	14	0.26390	0.73893
All	APV50 (Without SA)	14	0.68608	1.92102

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Pass/Fail

AES >=7.6 RACS >=7.7 AEV50 >=8.6 APV >=7.6

Report Period	API Category	N	Number Passed	% Passed
APR 2024	All Categories, All Parameters	54	35	64.8148
APR 2024	ILSAC - All Parameters	54	35	64.8148
APR 2024	ILSAC, AES	54	45	83.3333
APR 2024	ILSAC, AES (Without SA)	54	43	79.6296
APR 2024	ILSAC, AEV50	54	45	83.3333
APR 2024	ILSAC, AEV50 (Without SA)	54	38	70.3704
APR 2024	ILSAC, APV	54	45	83.3333
APR 2024	ILSAC, APV50 (Without SA)	54	40	74.0741
APR 2024	ILSAC, RACS	54	51	94.4444
APR 2024	ILSAC, RACS (Without SA)	54	50	92.5926
All	All Categories, All Parameters	741	598	80.7018
All	ILSAC - All Parameters	741	598	80.7018
All	ILSAC, AES	741	649	87.5843
All	ILSAC, AES (Without SA)	741	656	88.5290
All	ILSAC, AEV50	741	684	92.3077
All	ILSAC, AEV50 (Without SA)	741	662	89.3387
All	ILSAC, APV	741	684	92.3077
All	ILSAC, APV50 (Without SA)	741	655	88.3941
All	ILSAC, RACS	741	702	94.7368
All	ILSAC, RACS (Without SA)	741	710	95.8165

ACC Monitoring Agency

203 Armstrong Drive, Freeport, PA 16229, USA

<https://www.acc-ma.org>
412-365-1000

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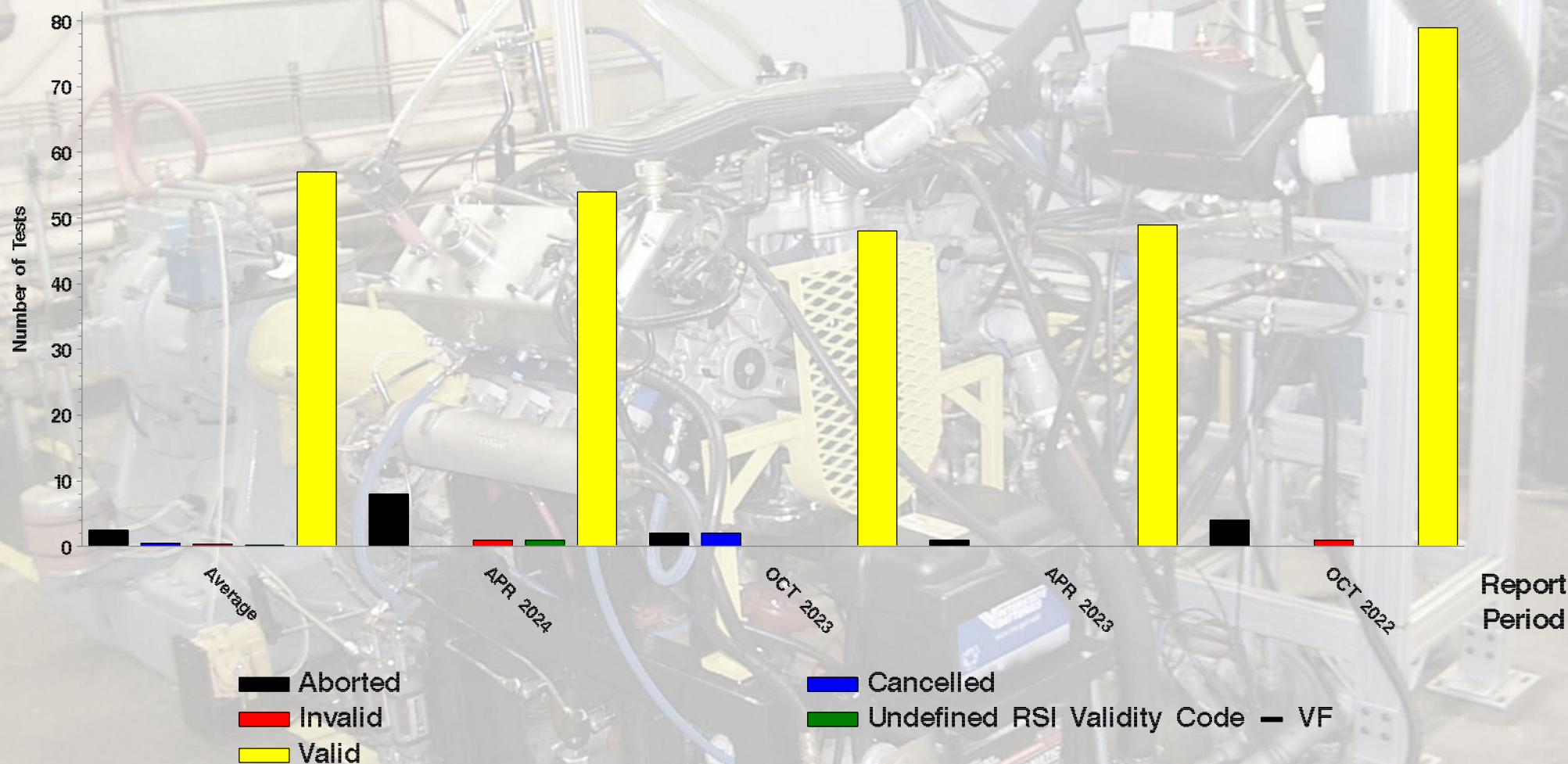


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Status of Reported Tests



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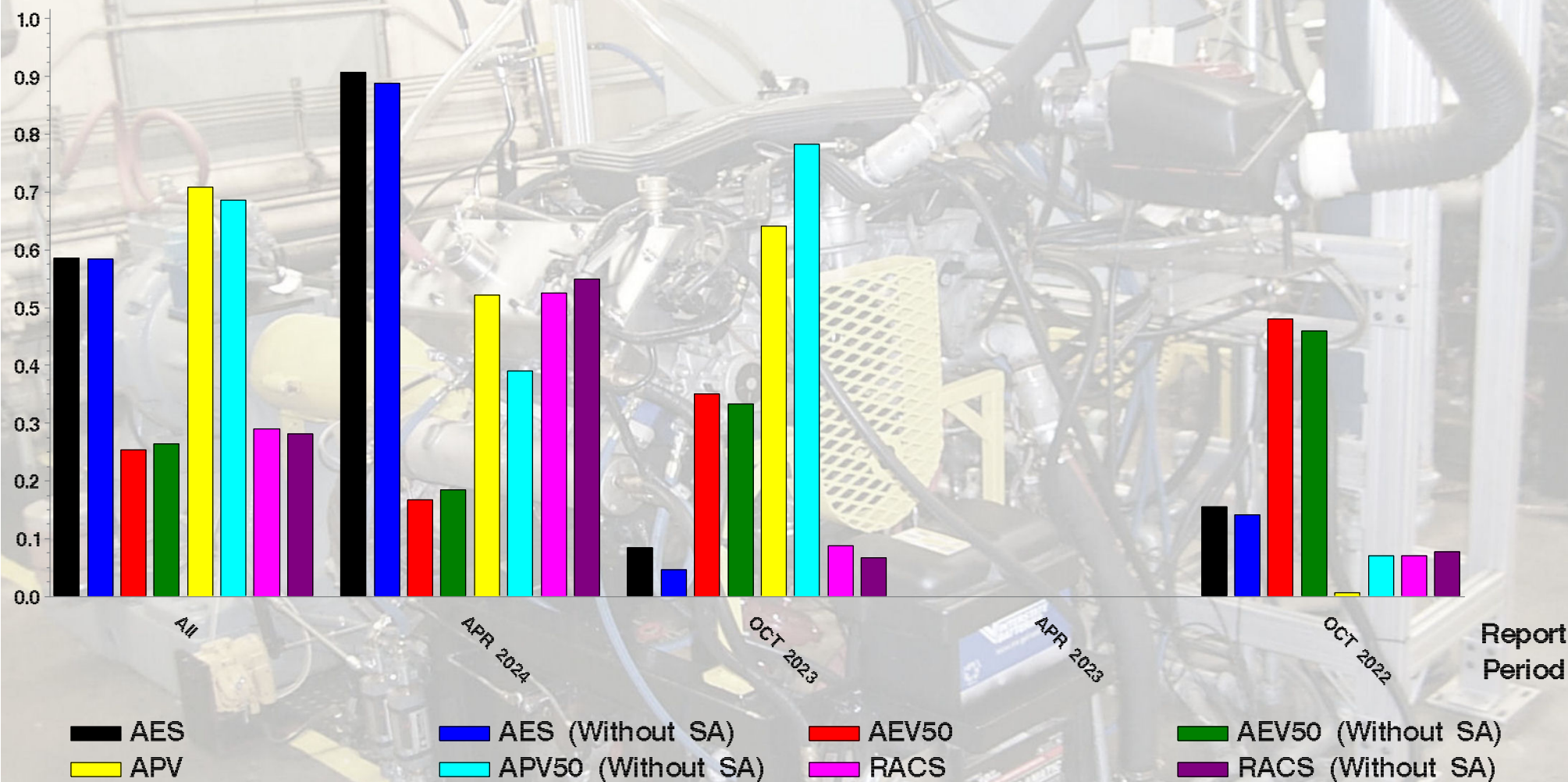
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Candidate Precision as Represented by Pooled S



Thursday, May 30, 2024