

VH - Report Period: APR 2021
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	5	6.579
Cancelled	1	1.316
Invalid	1	1.316
Valid	69	90.789
Total Reported Tests	76	100.000

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Itemized Lost Test Report

Obs	Date	TESTKEY	REASON
1	20201106	ACC-29004	No Explanation Available
2	20210202	ACC-29666	No Explanation Available
3	20210205	ACC-29689	No Explanation Available
4	20210205	ACC-29671	No Explanation Available
5	20210210	ACC-29711	No Explanation Available
6	20210211	ACC-29715	No Explanation Available
7	20210211	ACC-29721	No Explanation Available

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Replicate Database Report

Components of Replicate Database	APR 2021	All Periods
Number of Tests	3	7
Formulations	1	3
Labs	1	2
Stands	2	5

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by-Formulation Pooled s and Reproducibility of Replicate Data

Report Period	Parameter	Degrees of Freedom	Pooled s	R
APR 2021	AES	2	0.34962	0.97893
APR 2021	RACS	2	0.18877	0.52855
APR 2021	AEV50	2	0.18193	0.50942
APR 2021	APV	2	0.95270	2.66755
APR 2021	AES (Without SA)	2	0.34962	0.97893
APR 2021	RACS (Without SA)	2	0.12055	0.33755
APR 2021	AEV50 (Without SA)	2	0.31134	0.87176
APR 2021	APV50 (Without SA)	2	0.95270	2.66755
All	AES	4	0.65659	1.83847
All	RACS	4	0.27880	0.78064
All	AEV50	4	0.23982	0.67149
All	APV	4	1.11644	3.12604
All	AES (Without SA)	4	0.66024	1.84867
All	RACS (Without SA)	4	0.20912	0.58552
All	AEV50 (Without SA)	4	0.27734	0.77655
All	APV50 (Without SA)	4	1.06086	2.97041

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Pass/Fail
AES >=7.6 RACS >=7.7 APV >=7.6

Report Period	API Category	N	Number Passed	% Passed
APR 2021	All Categories, All Parameters	69	58	84.0580
APR 2021	ILSAC - All Parameters	69	58	84.0580
APR 2021	ILSAC, AES	69	63	91.3043
APR 2021	ILSAC, AES (Without SA)	69	66	95.6522
APR 2021	ILSAC, AEV50	69	66	95.6522
APR 2021	ILSAC, AEV50 (Without SA)	69	66	95.6522
APR 2021	ILSAC, APV	69	66	95.6522
APR 2021	ILSAC, APV50 (Without SA)	69	67	97.1014
APR 2021	ILSAC, RACS	69	63	91.3043
APR 2021	ILSAC, RACS (Without SA)	69	65	94.2029
All	All Categories, All Parameters	345	277	80.2899
All	ILSAC - All Parameters	345	277	80.2899
All	ILSAC, AES	345	294	85.2174
All	ILSAC, AES (Without SA)	345	299	86.6667
All	ILSAC, AEV50	345	323	93.6232
All	ILSAC, AEV50 (Without SA)	345	321	93.0435
All	ILSAC, APV	345	319	92.4638
All	ILSAC, APV50 (Without SA)	345	310	89.8551
All	ILSAC, RACS	345	326	94.4928
All	ILSAC, RACS (Without SA)	345	330	95.6522



Monitoring Agency

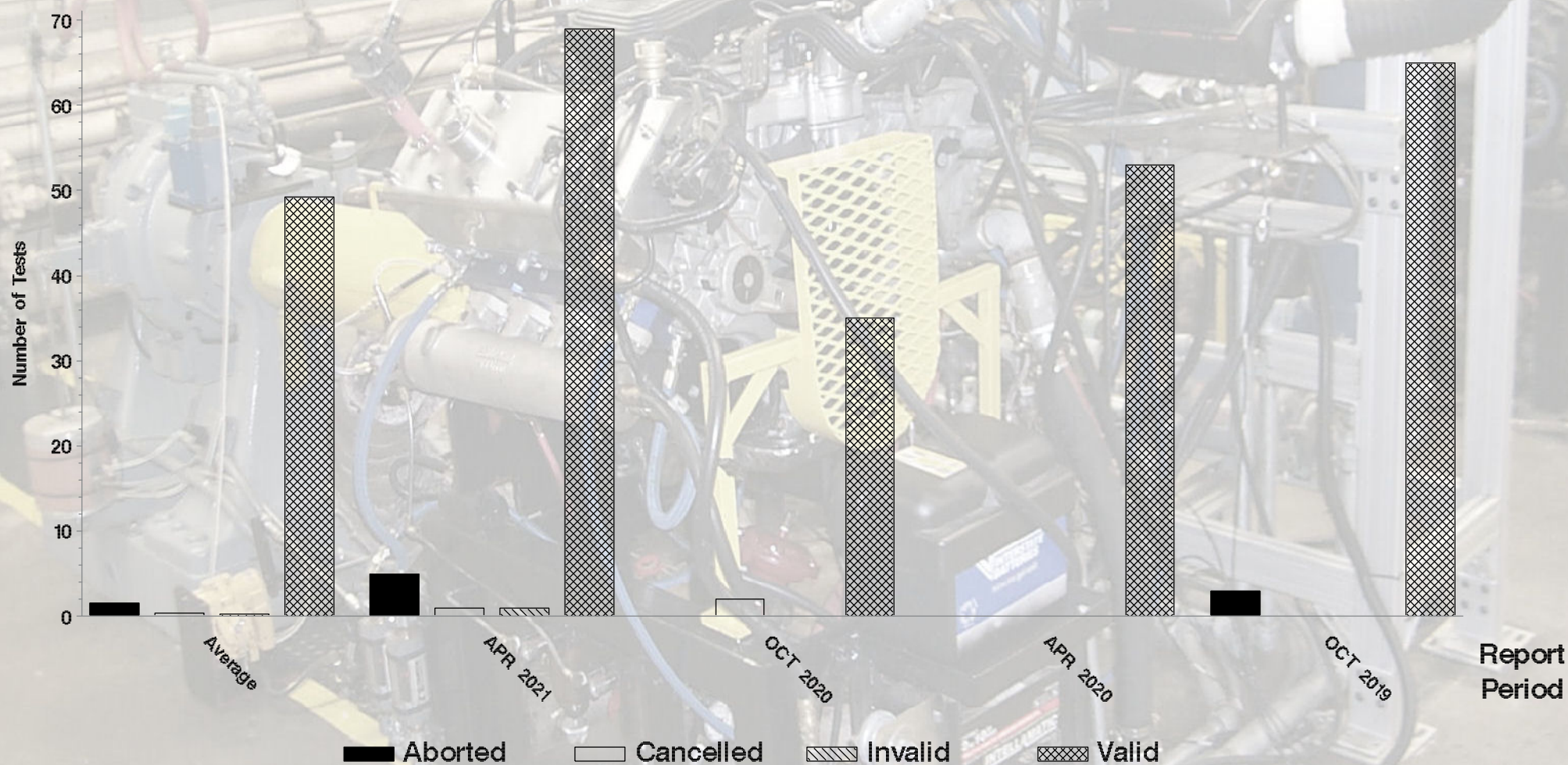
6555 Penn Avenue, Pittsburgh, PA 15206

<https://acc-ma.org>

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Status of Reported Tests





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Candidate Precision as Represented by Pooled S

