

IX - Report Period: OCT 2020
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
Valid	26	100
Total Reported Tests	26	100

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Where SAE vis grade is 0W-16, 0W-20, 0W-30, 5W-20, 5W-30, or 10W-30
Replicate Database Report

Components of Replicate Database	OCT 2020	All Periods
Number of Tests	.	20
Formulations	.	9
Labs	.	2
Stands	.	5

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Where SAE vis grade is 0W-16, 0W-20, 0W-30, 5W-20, 5W-30, or 10W-30
by-Formulation Pooled s and Reproducibility of Replicate Data

Report Period	Parameter	Degrees of Freedom	Pooled s	R
All	AVGNOPRE (Without SA)	11	0.44500	1.24601

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Pass/Fail
AVGPIFNL <=5.0 MAXPIFNL <=8.0

Report Period	API Category	N	Number Passed	% Passed
OCT 2020	All Categories, All Parameters	26	22	84.6154
OCT 2020	ILSAC - All Parameters	26	22	84.6154
OCT 2020	ILSAC, AVGNOPRE (Without SA)	26	23	88.4615
OCT 2020	ILSAC, AVGPIFNL	26	22	84.6154
OCT 2020	ILSAC, MAXPIFNL	26	24	92.3077
OCT 2020	ILSAC, MAXPIFNL (Without SA)	26	24	92.3077
All	All Categories, All Parameters	430	341	79.3023
All	ILSAC - All Parameters	430	341	79.3023
All	ILSAC, AVGNOPRE (Without SA)	430	348	80.9302
All	ILSAC, AVGPIFNL	430	344	80.0000
All	ILSAC, MAXPIFNL	430	416	96.7442
All	ILSAC, MAXPIFNL (Without SA)	430	420	97.6744



Monitoring Agency

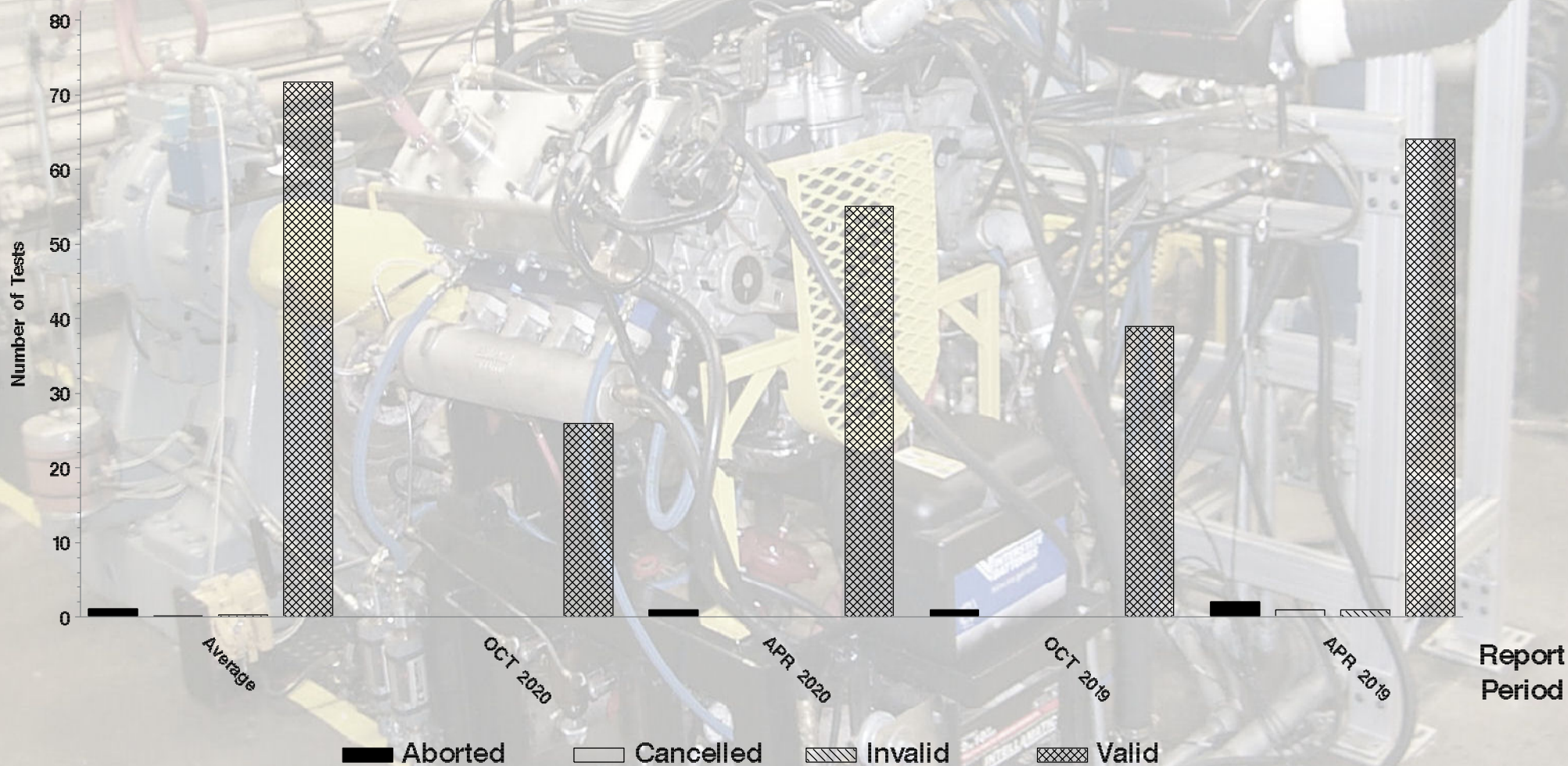
6555 Penn Avenue, Pittsburgh, PA 15206

<https://acc-ma.org>

IX

Where SAE vis grade is 0W-16, 0W-20, 0W-30, 5W-20, 5W-30, or 10W-30

Status of Reported Tests





Monitoring Agency

6555 Penn Avenue, Pittsburgh, PA 15206

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IX

Where SAE vis grade is 0W-16, 0W-20, 0W-30, 5W-20, 5W-30, or 10W-30
Candidate Precision as Represented by Pooled S

0.46
0.44
0.42
0.40
0.38
0.36
0.34
0.32
0.30
0.28
0.26
0.24
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00



All

OCT 2020

APR 2020

OCT 2019

APR 2019

Report
Period

■ AVGNOPRE (Without SA)