

IIH - 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	65	100
Total Reported Tests	65	100

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Replicate Database Report

Components of Replicate Database	OCT 2020	All Periods
Number of Tests	.	13
Formulations	.	6
Labs	.	4
Stands	.	7

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by-Formulation Pooled s and Reproducibility of Replicate Data

Report Period	Parameter	Degrees of Freedom	Pooled s	R
All	WPD	7	0.33077	0.92616
All	PVIS	7	0.80561	2.25570
All	WPD (Without SA)	7	0.37650	1.05419
All	PVIS (Without SA)	7	0.86324	2.41707

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Pass/Fail

Report Period	API Category	N	Number Passed	% Passed
OCT 2020	All Categories, All Parameters	65	38	58.4615
OCT 2020	SP - All Parameters	65	38	58.4615
OCT 2020	SP, PVIS	65	56	86.1538
OCT 2020	SP, PVIS (Without SA)	65	57	87.6923
OCT 2020	SP, WPD	65	40	61.5385
OCT 2020	SP, WPD (Without SA)	65	43	66.1538
All	All Categories, All Parameters	1004	609	60.6574
All	SP - All Parameters	1004	609	60.6574
All	SP, PVIS	1004	872	86.8526
All	SP, PVIS (Without SA)	1004	900	89.6414
All	SP, WPD	1004	646	64.3426
All	SP, WPD (Without SA)	1004	676	67.3307



Monitoring Agency

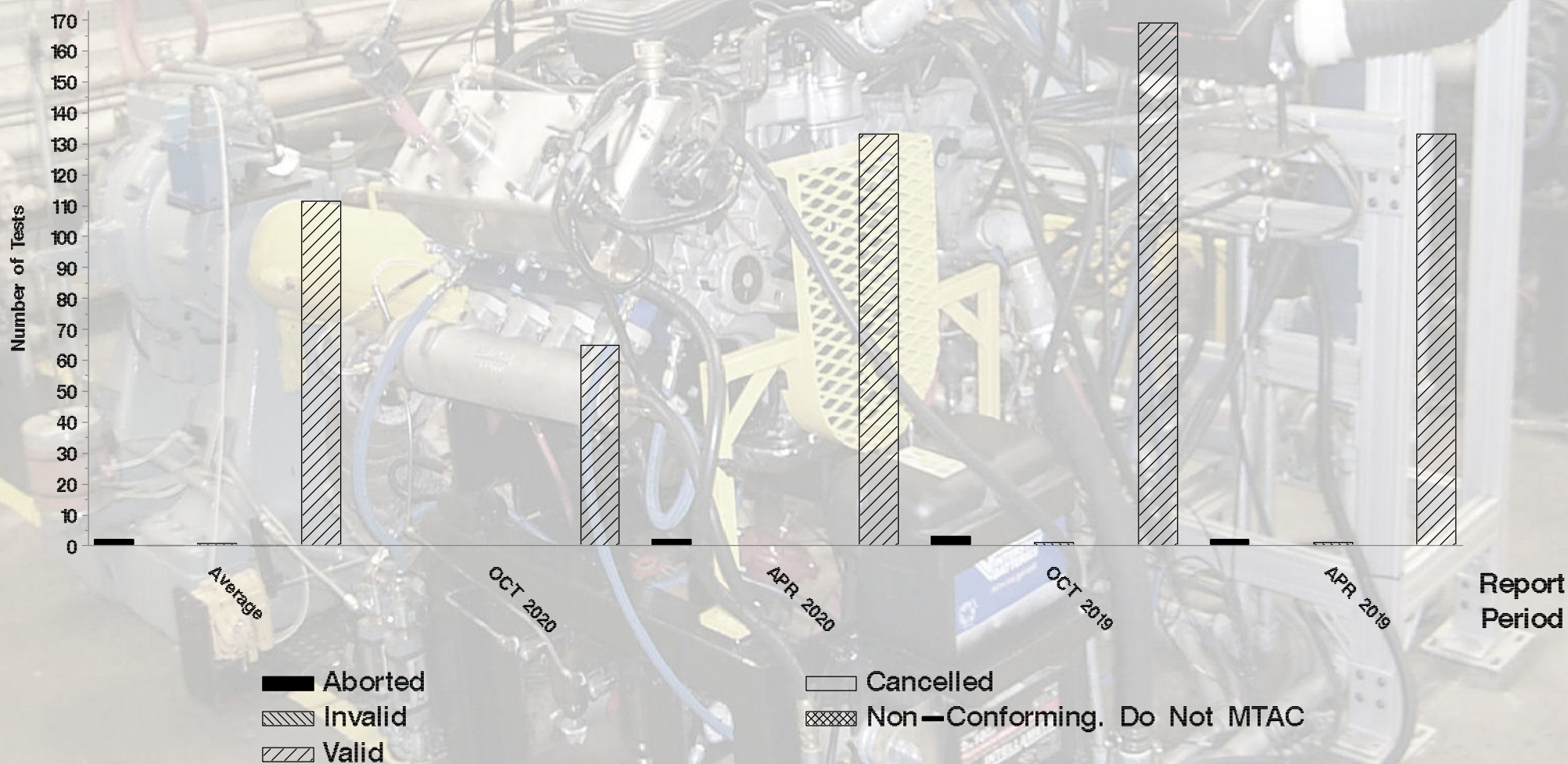
6555 Penn Avenue, Pittsburgh, PA 15206

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Status of Reported Tests





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Candidate Precision as Represented by Pooled S

