

***IIIG - Report Period: APR 2016***  
***Status Of Reported Tests***

STATUS	COUNT	PERCENT
Aborted	12	7.692
Invalid	2	1.282
Valid	142	91.026
Total Reported Tests	156	100.000

**IIIG - Report Period: APR 2016**  
**Itemized Lost Test Report**

Obs	Date	TESTKEY	REASON
1	20151012	ACC-17054	Test Terminated At Test Hour 92 Due To Inability To Maintain Load, Afr, And Oil Temperature Control.
2	20151014	ACC-16890	Test Declared Invalid Due To Partial Loss Of Oil Charge, And Incorrect Oil Leveling Procedure @ 80 Hours.
3	20151103	ACC-17203	Test Terminated At Test Hour 99 Due To Loss Of Oil Temperature Control And Loss Of Power.
4	20151103	ACC-16985	Test Terminated At Test Hour 92 Due To Loss Of Oil Caused By A Failed Front Seal.
5	20151106	ACC-17235	Test Terminated At Test Hour 97 Due To A Failed Head Gasket.
6	20151125	ACC-17381	Test Aborted Due To Loss Of Oil Charge.
7	20151207	ACC-17463	Test Was Terminated At Start Up Due To Connecting Rod Bearing Failure.
8	20151209	ACC-17136	Test Declared Invalid Due To An Automated Data Acquisition Failure. No Operational Data Was Logged During This Test.
9	20151230	ACC-17610	Test Terminated At Test Hour 98 Due To Low Oil Level.
10	20160128	ACC-17750	Test Terminated At Test Hour 75 Due To Significant Oil Viscosity Increase.
11	20160129	ACC-17749	Test Terminated At Test Hour 1 Due To Connecting Rod Failure.
12	20160208	ACC-17821	Test Terminated At Test Hour 76 Due To Loss Of Oil Temperature Control.
13	20160310	ACC-18027	Test Terminated At Test Hour 97 Due To Loss Of Oil Temperature Control.
14	20160331	ACC-18145	Test Terminated At Test Hour 53 Due To High Oil Consumption Caused By Improperly Installed Combustion Ring.

***IIIG - Report Period: APR 2016***  
***Replicate Database Report***

Components of Replicate Database	APR 2016	All Periods
Number of Tests	4	192
Formulations	2	85
Labs	1	6
Stands	1	21

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**by-Formulation Pooled s and Reproducibility of Replicate Data**

Report Period	Parameter	Degrees of Freedom	Pooled s	R
APR 2016	WPD	2	0.84524	2.36666
APR 2016	ACLW	2	0.94311	2.64072
APR 2016	PVIS	2	0.21511	0.60231
APR 2016	WPD (Without SA)	2	0.91942	2.57436
APR 2016	ACLW (Without SA)	2	0.93851	2.62783
APR 2016	PVIS (Without SA)	2	0.15237	0.42664
All	WPD	107	0.65451	1.83264
All	ACLW	107	0.56113	1.57116
All	PVIS	107	0.46947	1.31451
All	WPD (Without SA)	107	0.65390	1.83093
All	ACLW (Without SA)	107	0.58499	1.63797
All	PVIS (Without SA)	107	0.46600	1.30480

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**Pass/Fail**

Report Period	API Category	N	Number Passed	% Passed
APR 2016	All Categories, All Parameters	142	58	40.8451
APR 2016	SN - All Parameters	142	58	40.8451
APR 2016	SN, ACLW	142	124	87.3239
APR 2016	SN, ACLW (Without SA)	142	141	99.2958
APR 2016	SN, PVIS	142	104	73.2394
APR 2016	SN, PVIS (Without SA)	142	85	59.8592
APR 2016	SN, STUCK_RINGS	142	141	99.2958
APR 2016	SN, WPD	142	83	58.4507
APR 2016	SN, WPD (Without SA)	142	71	50.0000
All	All Categories, All Parameters	4088	1676	40.9980
All	SN - All Parameters	4088	1676	40.9980
All	SN, ACLW	4088	3873	94.7407
All	SN, ACLW (Without SA)	4088	3971	97.1380
All	SN, PVIS	4088	2756	67.4168
All	SN, PVIS (Without SA)	4088	2743	67.0988
All	SN, STUCK_RINGS	4088	4064	99.4129
All	SN, WPD	4088	2376	58.1213
All	SN, WPD (Without SA)	4088	1977	48.3611



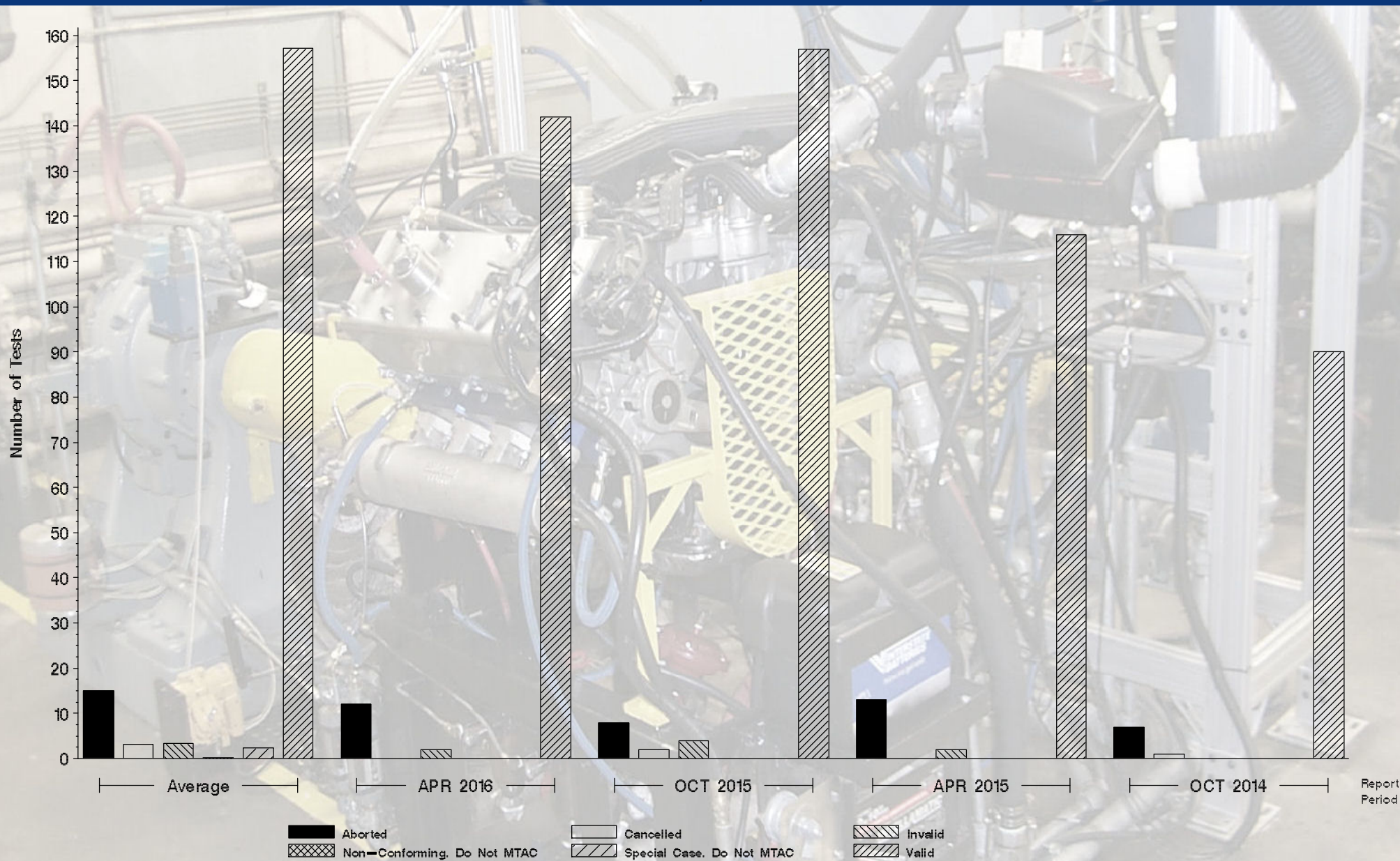
# Monitoring Agency

6555 Penn Avenue, Pittsburgh, PA 15206

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Status of Reported Tests







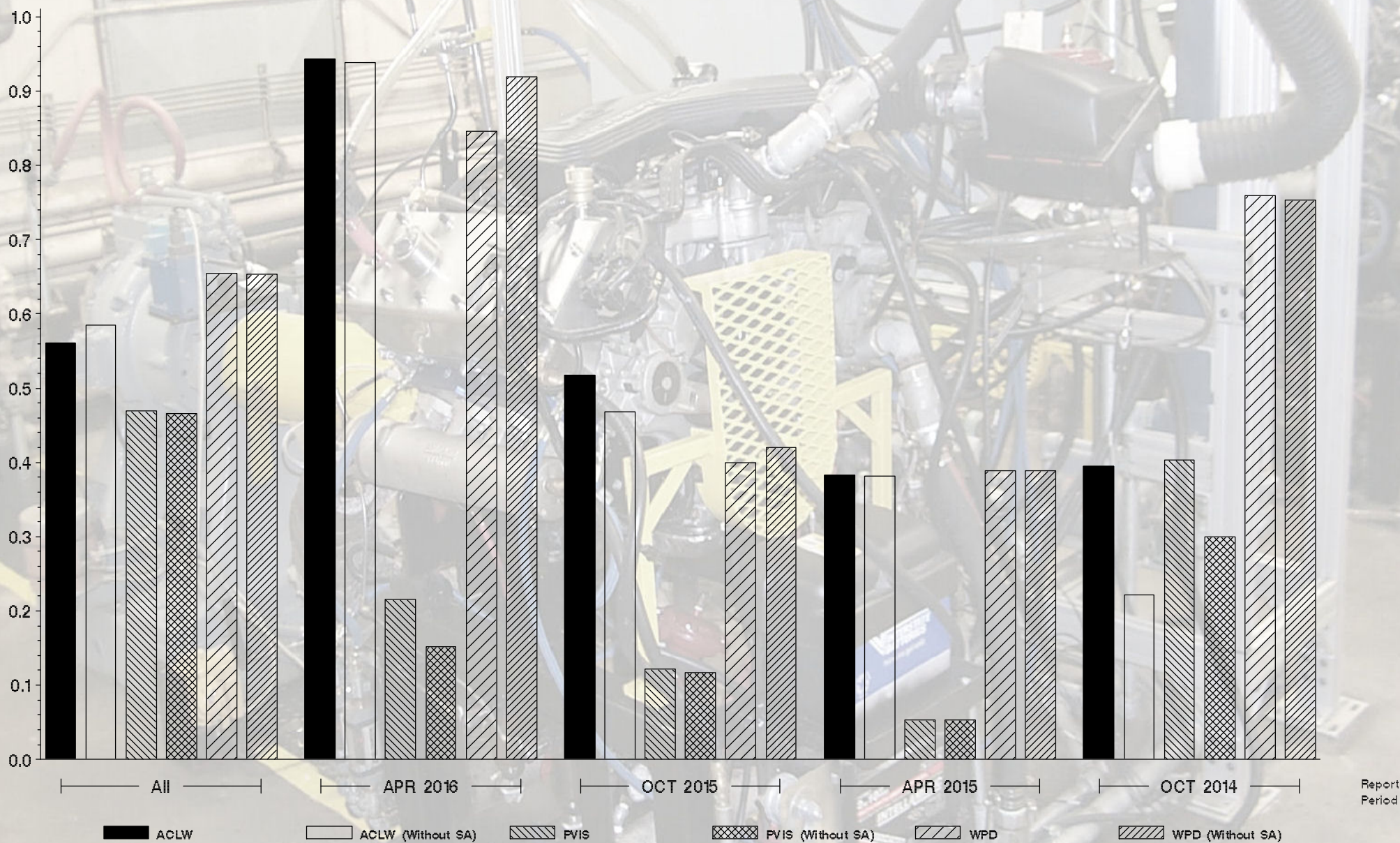
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