

IIIG - Report Period: APR 2009
Status Of Reported Tests

STATUS	COUNT	PERCENT
Aborted	20	7.905
Cancelled	2	0.791
Invalid	9	3.557
Non-Conforming. Do Not MTAC	1	0.395
Special Case. Do Not MTAC	3	1.186
Valid	218	86.166
Total Reported Tests	253	100.000

IIIG - Report Period: APR 2009
Itemized Lost Test Report

Obs	Date	TESTKEY	REASON
1	20081006	ACC-1064	Terminated At 93 Hours Due To Loss Of Load Control.
2	20081007	ACC-1103	Test Declared Invalid Due To Balance Shaft Bearing Failure Causing Piston Wear
3	20081016	ACC-1160	Test Is Invalid Due To The Addition Of An Extra 180 Ml Of New Oil At 2.75 Hours.
4	20081017	ACC-1155	Test Declared Not Interpretable Due To Oil Consumption In Excess Of 4.65l.
5	20081027	ACC-1229	Test Aborted At 0 Hours Due To Mechanical Failure.
6	20081028	ACC-1231	Test Terminated At 47hr Due To Blown Head Gasket.
7	20081107	ACC-1298	Test Terminated At 61 Hours Due To Mechanical Engine Failure.
8	20081111	ACC-1339	Test Invalid Due To Incorrect Load Calibration
9	20081117	ACC-1363	Test Terminated At 55 Hours Due To Mechanical Engine Failure.
10	20081120	ACC-1391	Test Invalid Due To Oil Purge Not Returned To Engineat 20 Hour Oil Level.
11	20081120	ACC-1399	Test Terminated At Hour 96 Due To Oil Temperature Was Uncontrollable.
12	20081121	ACC-1443	Test Was Terminated Because A Mistake Was Made During The Oil Leveling Procedure.
13	20081124	ACC-1438	Test Terminated At 75 Hours Due To Blown Head Gasket.
14	20081124	ACC-1386	Test Terminated @ 94 Hours Due To Loss Of Oil Temp Control Caused By Excessive Oil Viscosity Increase
15	20081125	ACC-1462	Test Terminated At 77 Hours Due To A Blown Head Gasket.
16	20081203	ACC-1487	Engine Not Built According To Procedure.
17	20081203	ACC-1522	Terminated At 92 Hours Due To Loss Of Load Control.
18	20081203	ACC-1518	Terminated At 88 Hours By Client Request.
19	20081204	ACC-1528	Test Terminated At 76 Hours Due To Loss Of Oil Temperature Control Caused By Viscosity Increase.
20	20081209	ACC-1569	Test Terminated At 71 Hours Due To Blown Head Gasket.
21	20081222	ACC-1637	Test Terminated At 66 Hours Due To Blown Head Gasket.
22	20090121	ACC-1781	This Test Was Eot'd Early Due To Oil Thickening And Subsequent Loss Of Oil Temperature Control. The Test Was Ended At 94 Hours.
23	20090122	ACC-1783	Lab Declared Test Invalid Due To High Oil Consumption. 4.71l At 100 Hours
24	20090126	ACC-1802	This Test Entered Oil Bypass Without An Excessive Increase In Oil Pressure. Bypass Operation Ceased On Its Own After 5 Hours, But Oil Pressure Did Not Return To Nominal. Thus The Oil Was Exposed To Additional Stress.
25	20090128	ACC-1800	Test Invalid, Test Ran With Non-Standard Head Gasket Thickness.
26	20090202	ACC-1833	Test Was Aborted At Timing Run Due To Crankshaft Main Bearing Distress

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Obs	Date	TESTKEY	REASON
27	20090209	ACC-1872	Test Not Interpretable. Oil Consumption >4.65l.
28	20090212	ACC-1888	Invalid Due To Negative Qi For Oil Temp Control.
29	20090213	ACC-1896	Test Not Interpretable, Oil Consumption >4.65l.
30	20090217	ACC-1906	Test Was Ended Early Per Customer Request.
31	20090219	ACC-1922	Test Terminated At 10 Hours Due To Loss Of Speed And Load Control Caused By Intake Valve Recession.
32	20090225	ACC-1961	Invalidated Due To Faulty Oil Filter; Erratic Poldelta W/O Bypass Operation.
33	20090310	ACC-2039	Terminated By Lab Due To Mechanical Failure.
34	20090324	ACC-2081	Test Not Interpretable Due To Oil Consumption >4.65l.
35	20090325	ACC-2100	Test Terminated At Hour 95 Due To Oil Temperature Was Uncontrollable.

IIIG - Report Period: APR 2009
Replicate Database Report

Components of Replicate Database	APR 2009	All Periods
Number of Tests	42	95
Formulations	14	38
Labs	4	5
Stands	11	19

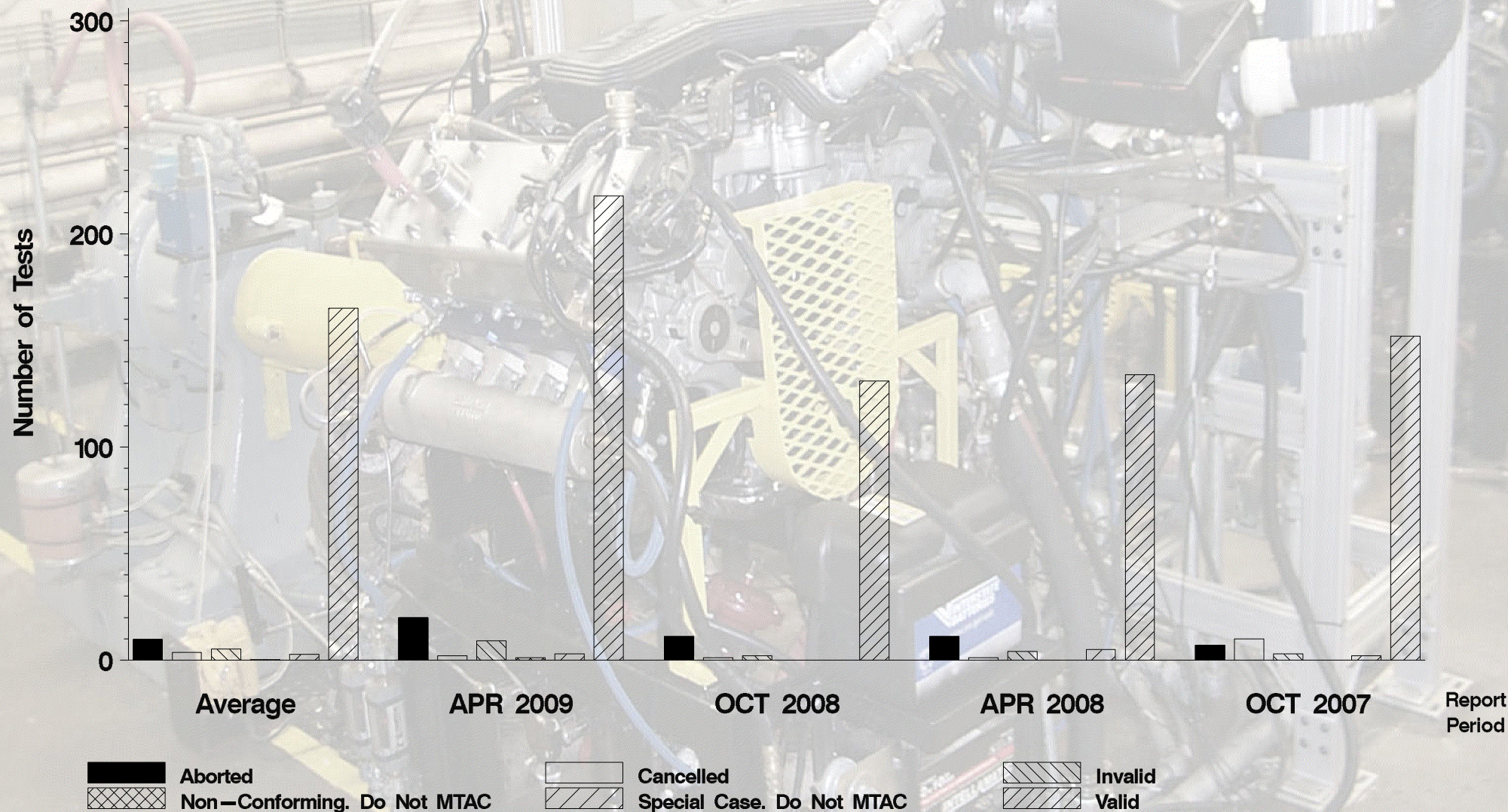
IIIG - Report Period: APR 2009
by-Formulation Pooled s and Reproducibility of Replicate Data

Report Period	Parameter	Degrees of Freedom	Pooled s	R
APR 2009	WPD	29	0.68873	1.92846
APR 2009	ACLW	29	0.34329	0.96122
APR 2009	PVIS	29	0.25782	0.72189
APR 2009	WPD (Without SA)	29	0.70919	1.98574
APR 2009	ACLW (Without SA)	29	0.39088	1.09445
APR 2009	PVIS (Without SA)	29	0.25775	0.72171
All	WPD	58	0.67388	1.88686
All	ACLW	58	0.36559	1.02366
All	PVIS	58	0.34288	0.96006
All	WPD (Without SA)	58	0.68885	1.92878
All	ACLW (Without SA)	58	0.38749	1.08497
All	PVIS (Without SA)	58	0.33695	0.94345

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Pass/Fail

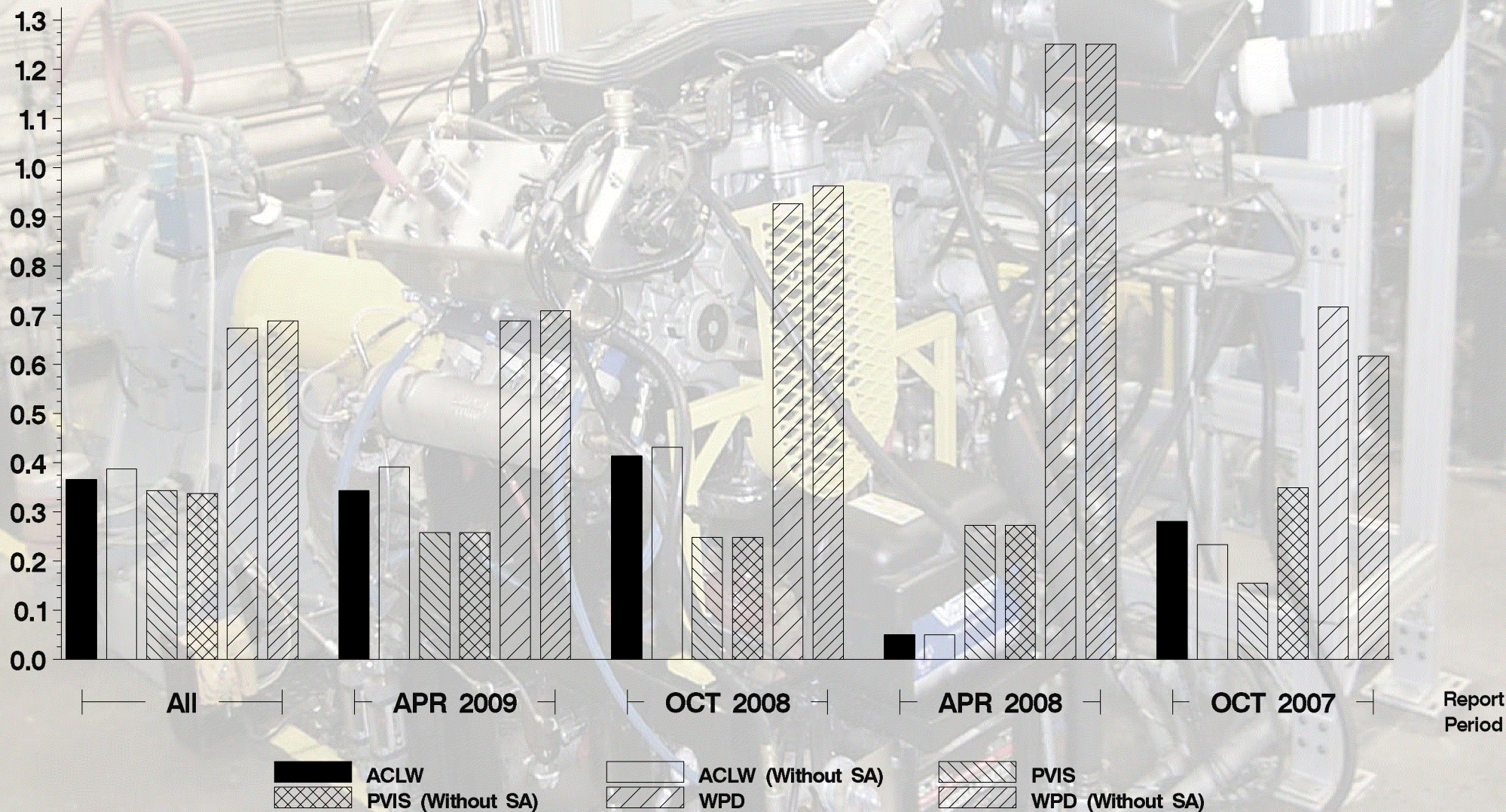
Report Period	API Category	N	Number Passed	% Passed
APR 2009	All Categories, All Parameters	217	122	56.2212
APR 2009	GF-4 - All Parameters	217	122	56.2212
APR 2009	GF-4, ACLW	217	206	94.9309
APR 2009	GF-4, ACLW (Without SA)	217	211	97.2350
APR 2009	GF-4, PVIS	217	149	68.6636
APR 2009	GF-4, PVIS (Without SA)	217	149	68.6636
APR 2009	GF-4, STUCK_RINGS	217	216	99.5392
APR 2009	GF-4, WPD	217	170	78.3410
APR 2009	GF-4, WPD (Without SA)	217	129	59.4470
All	All Categories, All Parameters	1981	890	44.9268
All	GF-4 - All Parameters	1981	890	44.9268
All	GF-4, ACLW	1981	1862	93.9929
All	GF-4, ACLW (Without SA)	1981	1887	95.2549
All	GF-4, PVIS	1981	1250	63.0994
All	GF-4, PVIS (Without SA)	1981	1334	67.3397
All	GF-4, STUCK_RINGS	1981	1972	99.5457
All	GF-4, WPD	1981	1381	69.7123
All	GF-4, WPD (Without SA)	1981	1180	59.5659

IIIG Status of Reported Tests



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