

***ISM - Report Period: APR 2009***  
***Status Of Reported Tests***

STATUS	COUNT	PERCENT
Aborted	5	16.667
Cancelled	1	3.333
Invalid	1	3.333
Valid	23	76.667
Total Reported Tests	30	100.000

***ISM - Report Period: APR 2009***  
***Itemized Lost Test Report***

Obs	Date	TESTKEY	REASON
1	20081020	ACC-1170	Test Terminated At 112 Hours Due To Oil Leveling Problems.
2	20081127	ACC-1403	Test Terminated After 128 Hours Due To Filter Plugging.
3	20081205	ACC-1516	Test Terminated At 131 Hours Per Client Request.
4	20081217	ACC-1631	Test Terminated At 56 Hours Due To Engine Problems.
5	20081229	ACC-1642	Test Terminated Due To Too Low Soot Level At 150 Hours
6	20090127	ACC-1704	Test Aborted At 64 Hours Due To Damaged # 5 Injector Adjusting Screw Resulting From Lock Nut Backing Off.
7	20090205	ACC-1853	Test Invalid Because Of Dyno Failure And Loss Of Speed/Torque Control.

***ISM - Report Period: APR 2009***  
***Replicate Database Report***

<b>Components of Replicate Database</b>	<b>APR 2009</b>	<b>All Periods</b>
Number of Tests	1	8
Formulations	1	4
Labs	1	3
Stands	1	5

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

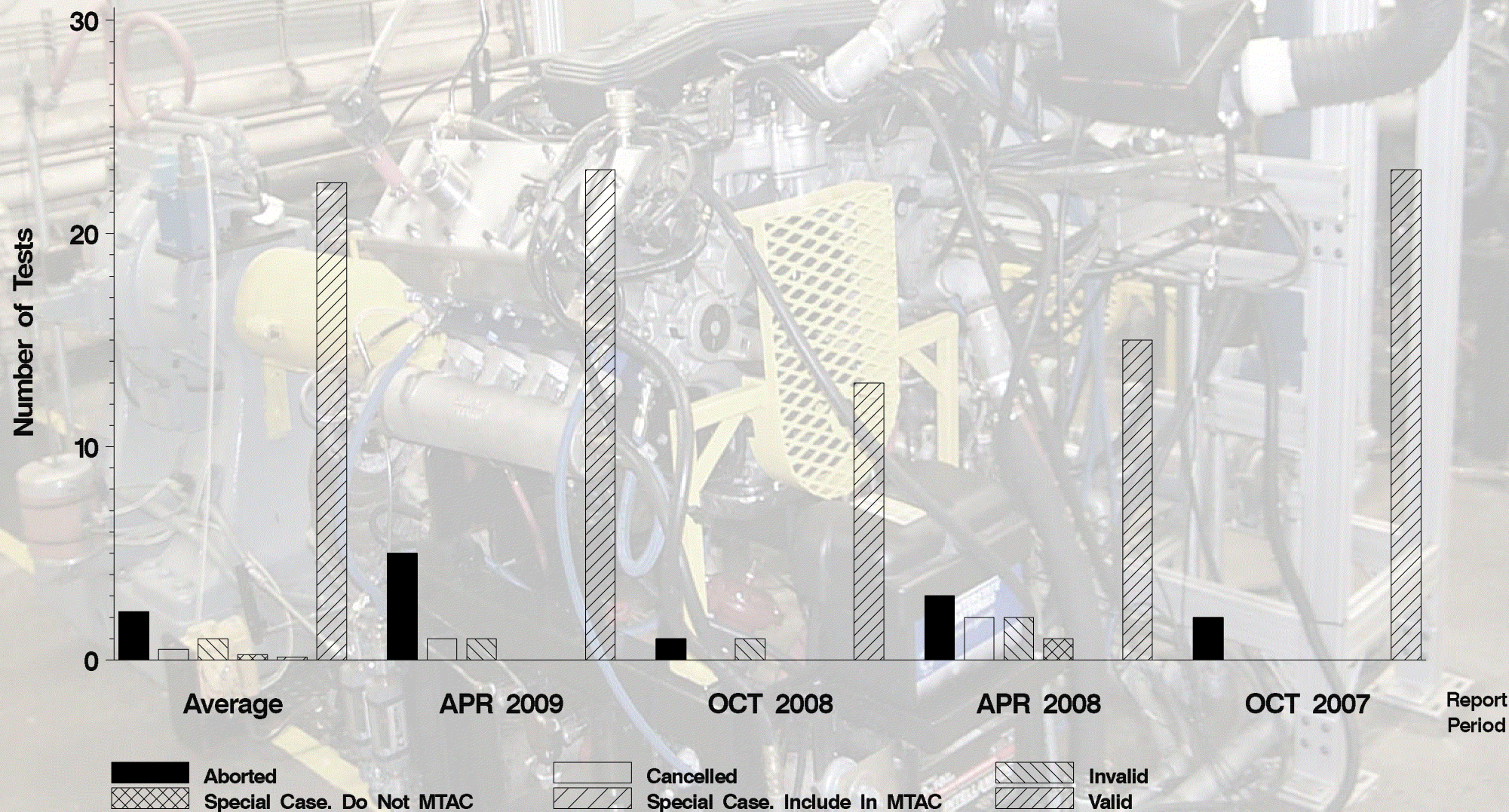
Report Period	Parameter	Degrees of Freedom	Pooled s	R
APR 2009	ISMMER	0	0.000	0.00
APR 2009	ARWLTFNL	0	0.000	0.00
All	ISMMER	4	635.000	1778.00
All	ARWLTFNL	4	9.965	27.90

**ISM - Report Period: APR 2009**  
**Pass/Fail**

Report Period	API Category	N	Number Passed	% Passed
APR 2009	All Categories, All Parameters	23	1	4.348
APR 2009	CJ-4 - All Parameters	23	1	4.348
APR 2009	CJ-4, ARWLTFNL	23	23	100.000
APR 2009	CJ-4, ISMMER	23	1	4.348
All	All Categories, All Parameters	179	65	36.313
All	CJ-4 - All Parameters	179	65	36.313
All	CJ-4, ARWLTFNL	179	173	96.648
All	CJ-4, ISMMER	179	65	36.313



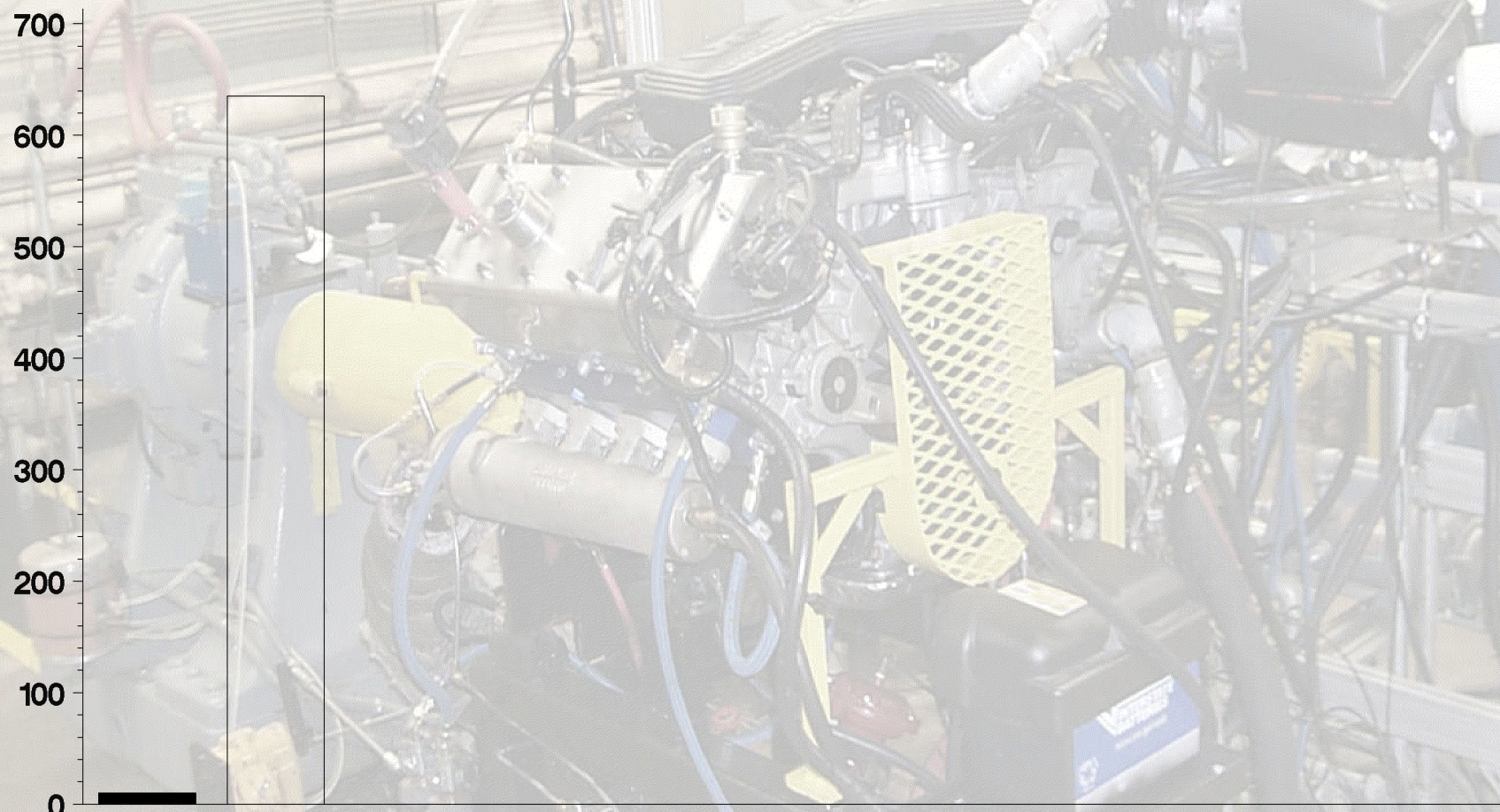
## ISM Status of Reported Tests





## ISM

Candidate Precision as Represented by Pooled S



All

APR 2009

OCT 2008

APR 2008

OCT 2007

Report  
Period

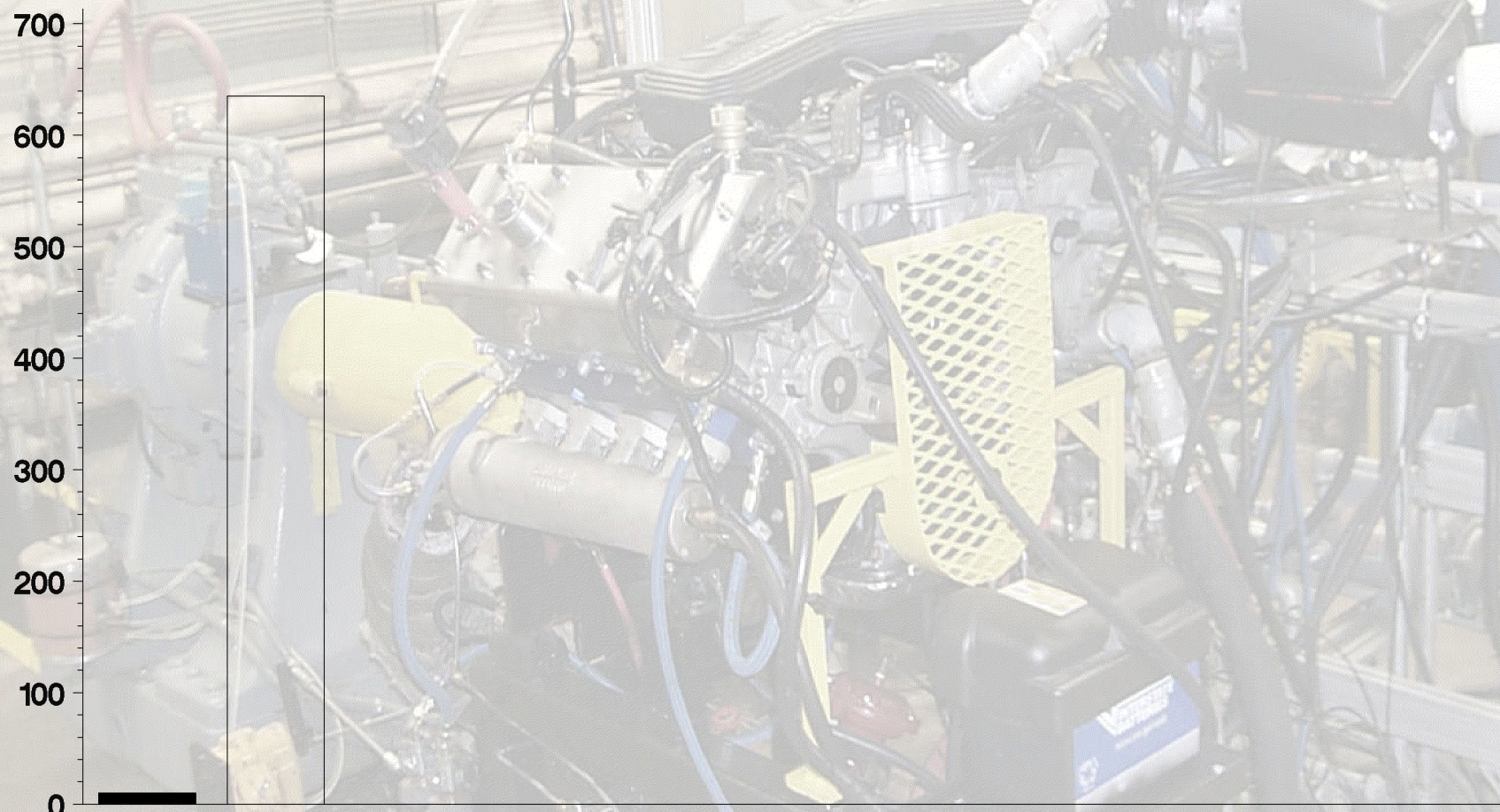
ARWLTFNL

ISMMER



## ISM

Candidate Precision as Represented by Pooled S



All

APR 2009

OCT 2008

APR 2008

OCT 2007

Report  
Period

ARWLTFLN

ISMMER