

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

**1**

| STATUS               | COUNT | PERCENT |
|----------------------|-------|---------|
| Aborted              | 3     | 6.522   |
| Invalid              | 3     | 6.522   |
| Valid                | 40    | 86.957  |
| Total Reported Tests | 46    | 100.000 |

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

2

| Obs | Date     | TESTKEY  | REASON   |
|-----|----------|----------|--|
| 1   | 20081210 | ACC-1584 | This Test Is Invalid Due To A Wiring Malfunction Of The Mass Air Flow Circuit That Was Discovered On The Subsequent Test.  |
| 2   | 20081219 | ACC-1647 | This Test Was Declared Invalid Due To A Wiring Malfunction In The Mass Air Flow Circuit Causing The Air Fuel Ratio To Run Out Of Limits In Stage 3 For Approximately Thirty Hours. |
| 3   | 20090120 | ACC-1771 | This Test Was Terminated @ 48hrs And Declared Invalid Due To Test Stand Grounding Issues Causing Numerous Shutdowns Of The Engine Control Module.                                  |
| 4   | 20090129 | ACC-1568 | This Test Was Aborted At 3 Hours Due To A Cracked Rac.   |
| 5   | 20090203 | ACC-1627 | This Test Was Aborted At 13 Hours For Wrong Fuel.  |
| 6   | 20090205 | ACC-1857 | This Test Was Declared Invalid Due To Intermitent Wiring Issues That Caused Numerous Hot Shutdowns During The 2 To 3 Transitions.  |

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

| <b>Components of<br/>Replicate<br/>Database</b> | <b>APR<br/>2009</b> | <b>All<br/>Periods</b> |
|---|---------------------|------------------------|
| Number of Tests                                 | 2                   | 34                     |
| Formulations                                    | 1                   | 16                     |
| Labs  | 1                   | 4                      |
| Stands  | 2                   | 14                     |

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

| <b>Report Period</b> | <b>Parameter</b>  | <b>Degrees of Freedom</b> | <b>Pooled s</b> | <b>R</b> |
|----------------------|-------------------|---------------------------|-----------------|----------|
| APR 2009             | AES               | 1                         | 0.11314         | 0.31678  |
| APR 2009             | RACS              | 1                         | 0.02121         | 0.05940  |
| APR 2009             | AEVB              | 1                         | 0.08485         | 0.23759  |
| APR 2009             | APV               | 1                         | 0.22627         | 0.63357  |
| APR 2009             | OSCR              | 1                         | 0.67565         | 1.89182  |
| APR 2009             | AES (Without SA)  | 1                         | 0.11314         | 0.31678  |
| APR 2009             | RACS (Without SA) | 1                         | 0.02121         | 0.05940  |
| APR 2009             | AEVB (Without SA) | 1                         | 0.08485         | 0.23759  |
| APR 2009             | APV (Without SA)  | 1                         | 0.25456         | 0.71276  |
| APR 2009             | OSCR (Without SA) | 1                         | 0.16212         | 0.45394  |
| All                  | AES               | 18                        | 0.61017         | 1.70847  |
| All                  | RACS              | 18                        | 0.38455         | 1.07674  |
| All                  | AEVB              | 18                        | 0.12083         | 0.33834  |
| All                  | APV               | 18                        | 0.25684         | 0.71915  |
| All                  | OSCR              | 18                        | 1.08732         | 3.04451  |
| All                  | AES (Without SA)  | 18                        | 0.57466         | 1.60903  |
| All                  | RACS (Without SA) | 18                        | 0.37583         | 1.05231  |
| All                  | AEVB (Without SA) | 18                        | 0.10179         | 0.28502  |
| All                  | APV (Without SA)  | 18                        | 0.24310         | 0.68067  |
| All                  | OSCR (Without SA) | 18                        | 0.41440         | 1.16032  |

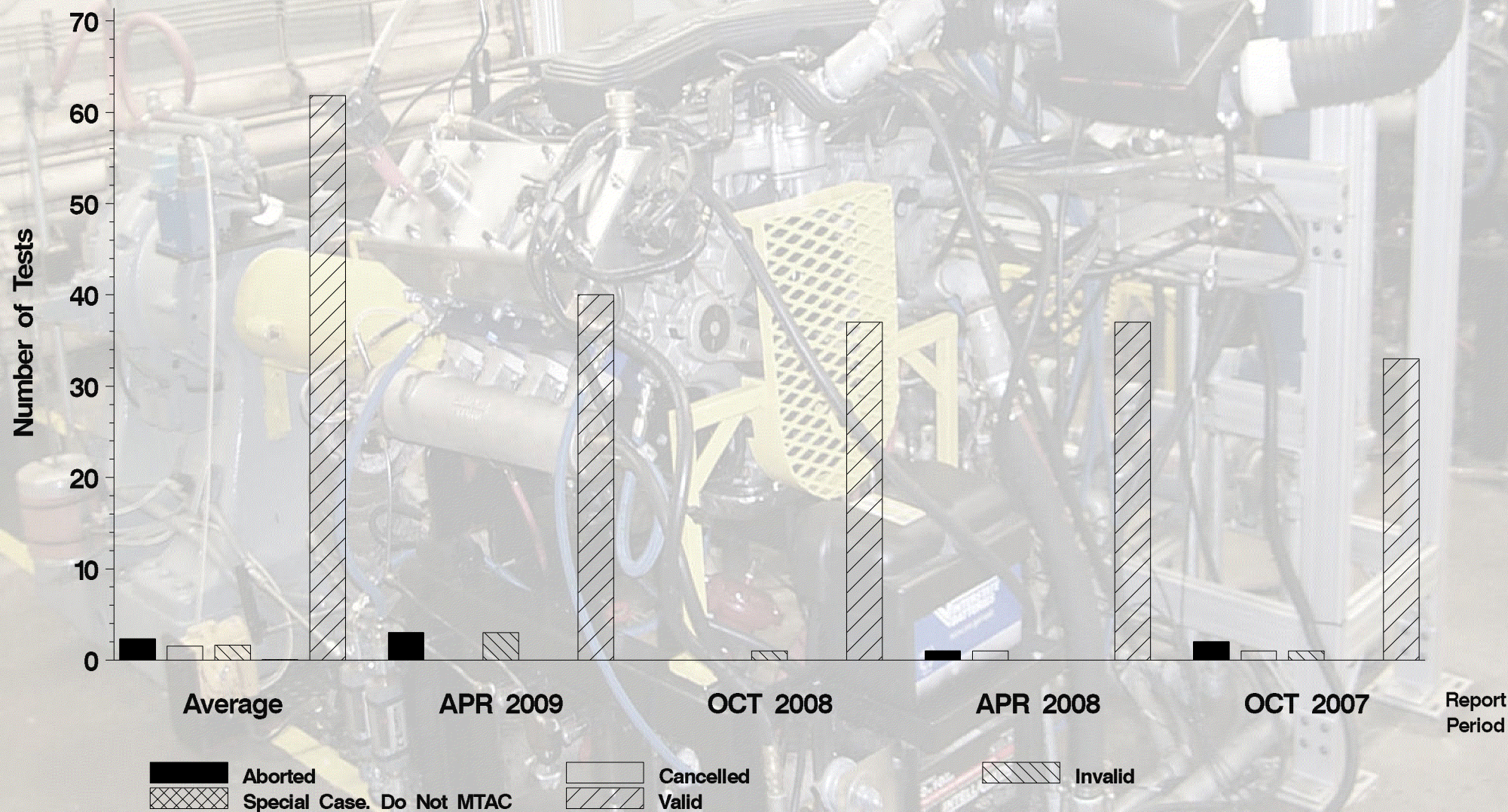


**VG - Report Period: APR 2009**  
**Pass/Fail**

| Report Period | API Category                   | N    | Number Passed | % Passed |
|---------------|--------------------------------|------|---------------|----------|
| APR 2009      | All Categories, All Parameters | 40   | 31            | 77.500   |
| APR 2009      | GF-4 - All Parameters          | 40   | 31            | 77.500   |
| APR 2009      | GF-4, AES                      | 40   | 31            | 77.500   |
| APR 2009      | GF-4, AES (Without SA)         | 40   | 31            | 77.500   |
| APR 2009      | GF-4, AEVB                     | 40   | 39            | 97.500   |
| APR 2009      | GF-4, AEVB (Without SA)        | 40   | 38            | 95.000   |
| APR 2009      | GF-4, APV                      | 40   | 40            | 100.000  |
| APR 2009      | GF-4, APV (Without SA)         | 40   | 34            | 85.000   |
| APR 2009      | GF-4, OSCR                     | 40   | 36            | 90.000   |
| APR 2009      | GF-4, OSCR (Without SA)        | 40   | 36            | 90.000   |
| APR 2009      | GF-4, RACS                     | 40   | 39            | 97.500   |
| APR 2009      | GF-4, RACS (Without SA)        | 40   | 39            | 97.500   |
| APR 2009      | GF-4, STUCK_RINGS              | 40   | 40            | 100.000  |
| All           | All Categories, All Parameters | 1175 | 828           | 70.468   |
| All           | GF-4 - All Parameters          | 1175 | 828           | 70.468   |
| All           | GF-4, AES                      | 1175 | 933           | 79.404   |
| All           | GF-4, AES (Without SA)         | 1175 | 889           | 75.660   |
| All           | GF-4, AEVB                     | 1175 | 1046          | 89.021   |
| All           | GF-4, AEVB (Without SA)        | 1175 | 567           | 48.255   |
| All           | GF-4, APV                      | 1175 | 1072          | 91.234   |
| All           | GF-4, APV (Without SA)         | 1175 | 1037          | 88.255   |
| All           | GF-4, OSCR                     | 1175 | 1026          | 87.319   |
| All           | GF-4, OSCR (Without SA)        | 1175 | 1022          | 86.979   |
| All           | GF-4, RACS                     | 1175 | 1137          | 96.766   |
| All           | GF-4, RACS (Without SA)        | 1175 | 1134          | 96.511   |
| All           | GF-4, STUCK_RINGS              | 1175 | 1174          | 99.915   |



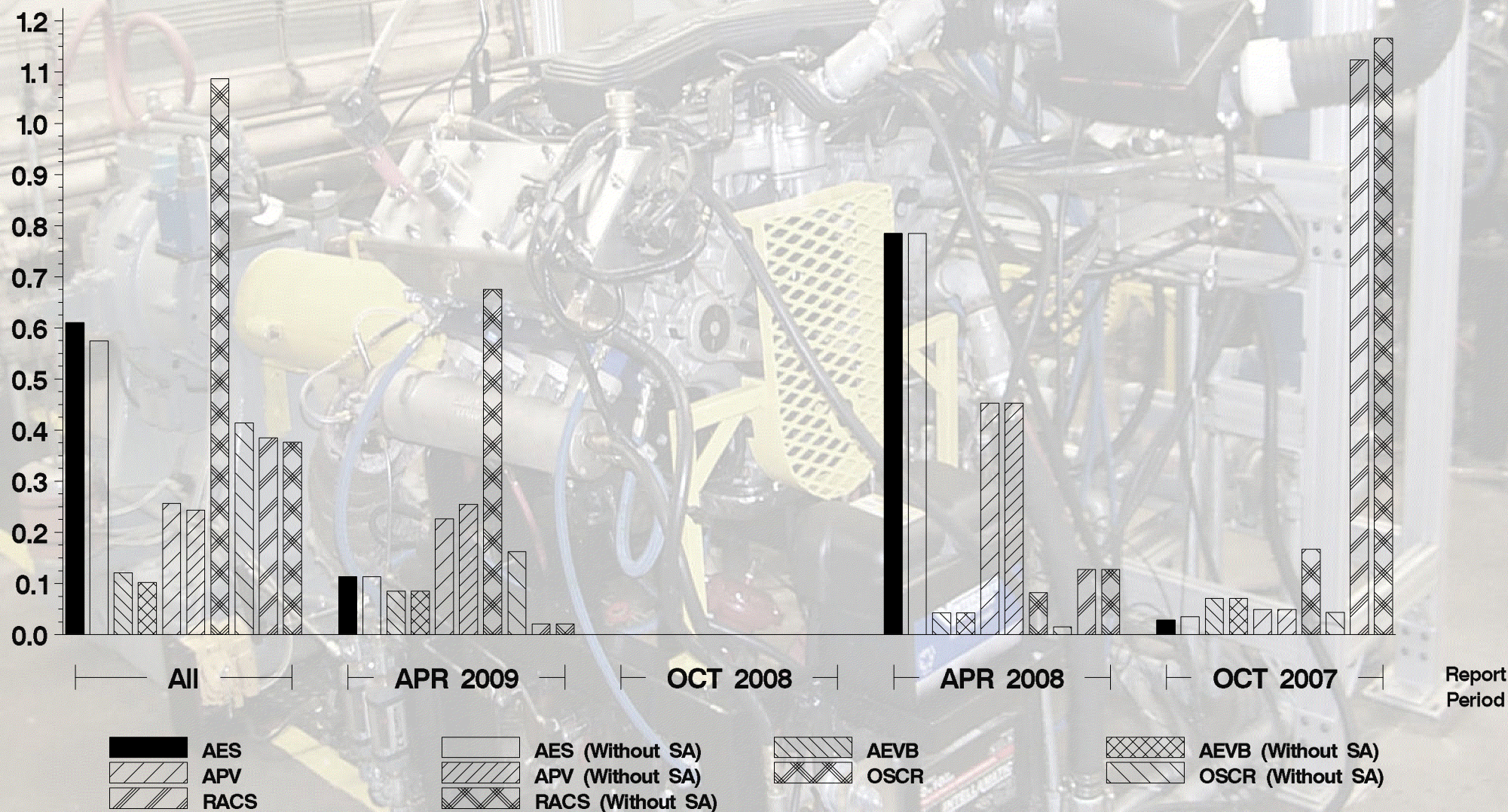
## VG Status of Reported Tests





## VG

Candidate Precision as Represented by Pooled S





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