

***1K - Report Period: APR 2009***  
***Status Of Reported Tests***

**1**

| STATUS               | COUNT | PERCENT |
|----------------------|-------|---------|
| Aborted              | 3     | 8.824   |
| Invalid              | 1     | 2.941   |
| Valid                | 30    | 88.235  |
| Total Reported Tests | 34    | 100.000 |

**1K - Report Period: APR 2009**  
**Itemized Lost Test Report**

| Obs | Date     | TESTKEY  | REASON                                                        |
|-----|----------|----------|---------------------------------------------------------------|
| 1   | 20081007 | ACC-1115 | Test Was Terminated At 238 Hours Due To Scuffing.             |
| 2   | 20081110 | ACC-1203 | Test Declared Invalid Due To Excessive Downtime (130.9 Hours) |
| 3   | 20081219 | ACC-1648 | Test Was Eot'd At 185.5 Hours Due To A Scuffed Piston.        |
| 4   | 20090113 | ACC-1732 | Test Terminated At 175 Hours Due To High Oil Consumption.     |

**1K - Report Period: APR 2009**  
**Replicate Database Report**

| Components of Replicate Database | APR 2009 | All Periods |
|----------------------------------|----------|-------------|
| Number of Tests                  | 2        | 273         |
| Formulations                     | 1        | 120         |
| Labs                             | 1        | 8           |
| Stands                           | 1        | 47          |

**1K - Report Period: APR 2009**  
**by-Formulation Pooled s and Reproducibility of Replicate Data**

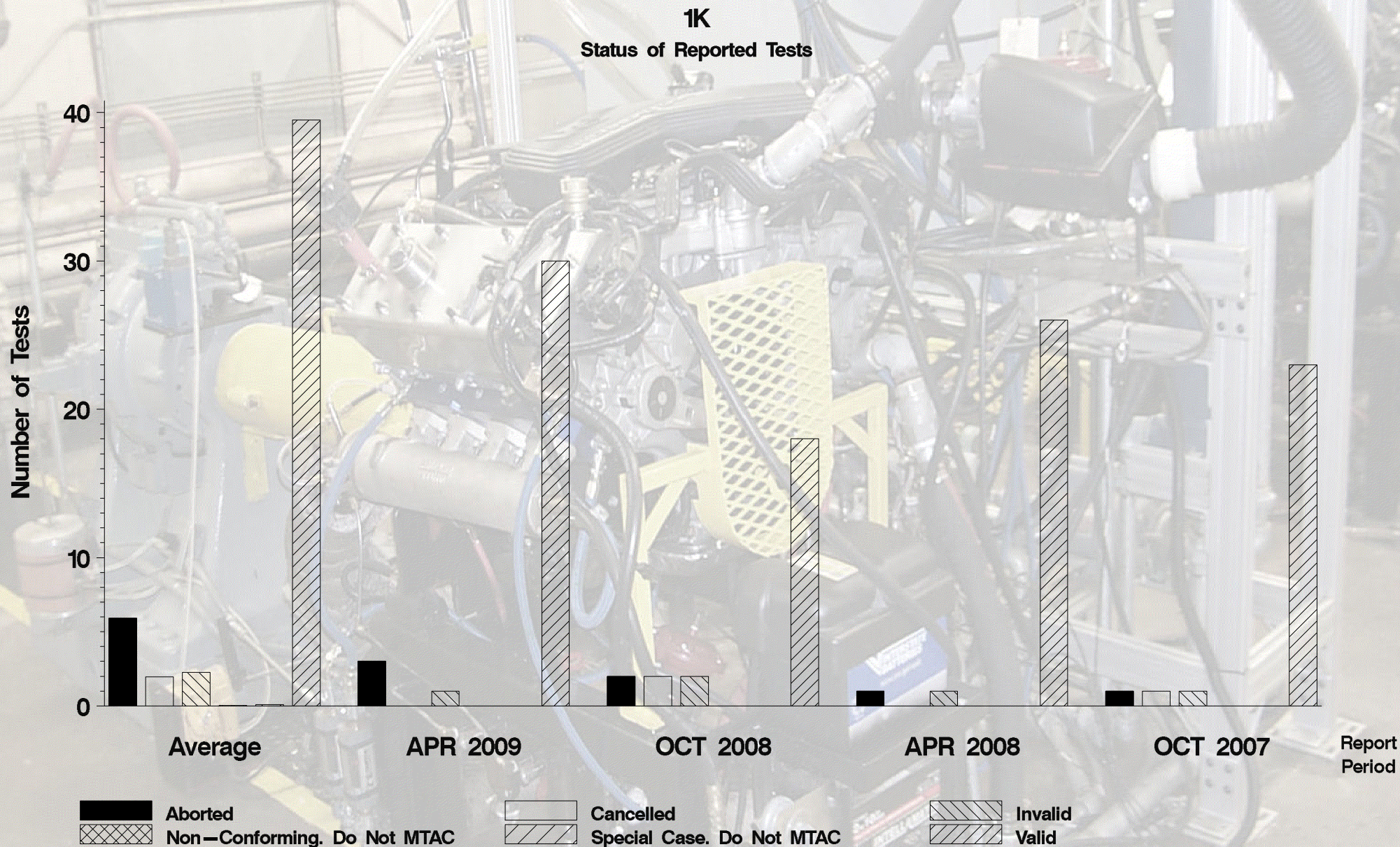
| Report Period | Parameter         | Degrees of Freedom | Pooled s | R       |
|---------------|-------------------|--------------------|----------|---------|
| APR 2009      | TGF               | 1                  | 0.000    | 0.000   |
| APR 2009      | WD                | 1                  | 0.000    | 0.000   |
| APR 2009      | TLHC              | 1                  | 0.000    | 0.000   |
| APR 2009      | BSOC              | 1                  | 0.014    | 0.040   |
| APR 2009      | EOTOC             | 1                  | 0.014    | 0.040   |
| APR 2009      | TGF (Without SA)  | 1                  | 0.000    | 0.000   |
| APR 2009      | WD (Without SA)   | 1                  | 0.000    | 0.000   |
| APR 2009      | TLHC (Without SA) | 1                  | 0.000    | 0.000   |
| All           | TGF               | 153                | 13.907   | 38.940  |
| All           | WD                | 153                | 120.642  | 337.798 |
| All           | TLHC              | 153                | 0.932    | 2.610   |
| All           | BSOC              | 153                | 0.064    | 0.181   |
| All           | TGF (Without SA)  | 153                | 12.381   | 34.668  |
| All           | WD (Without SA)   | 153                | 118.645  | 332.207 |
| All           | TLHC (Without SA) | 153                | 0.471    | 1.318   |
| All           | EOTOC             | 152                | 0.125    | 0.351   |



**1K - Report Period: APR 2009**  
**Pass/Fail**

| Report Period | API Category                   | N    | Number Passed | % Passed |
|---------------|--------------------------------|------|---------------|----------|
| APR 2009      | All Categories, All Parameters | 30   | 9             | 30.000   |
| APR 2009      | CI-4 - All Parameters          | 30   | 9             | 30.000   |
| APR 2009      | CI-4, BSOC                     | 30   | 30            | 100.000  |
| APR 2009      | CI-4, EOTOC                    | 30   | 22            | 73.333   |
| APR 2009      | CI-4, SCUFFING                 | 30   | 30            | 100.000  |
| APR 2009      | CI-4, STUCK_RINGS              | 30   | 30            | 100.000  |
| APR 2009      | CI-4, TGF                      | 30   | 21            | 70.000   |
| APR 2009      | CI-4, TGF (Without SA)         | 30   | 27            | 90.000   |
| APR 2009      | CI-4, TLHC                     | 30   | 24            | 80.000   |
| APR 2009      | CI-4, TLHC (Without SA)        | 30   | 23            | 76.667   |
| APR 2009      | CI-4, WD                       | 30   | 16            | 53.333   |
| APR 2009      | CI-4, WD (Without SA)          | 30   | 16            | 53.333   |
| All           | All Categories, All Parameters | 1224 | 390           | 31.863   |
| All           | CI-4 - All Parameters          | 1224 | 390           | 31.863   |
| All           | CI-4, BSOC                     | 1224 | 1208          | 98.693   |
| All           | CI-4, EOTOC                    | 1224 | 1134          | 92.647   |
| All           | CI-4, SCUFFING                 | 1224 | 751           | 61.356   |
| All           | CI-4, STUCK_RINGS              | 1224 | 754           | 61.601   |
| All           | CI-4, TGF                      | 1224 | 859           | 70.180   |
| All           | CI-4, TGF (Without SA)         | 1224 | 1020          | 83.333   |
| All           | CI-4, TLHC                     | 1224 | 965           | 78.840   |
| All           | CI-4, TLHC (Without SA)        | 1224 | 1075          | 87.827   |
| All           | CI-4, WD                       | 1224 | 1011          | 82.598   |
| All           | CI-4, WD (Without SA)          | 1224 | 1060          | 86.601   |

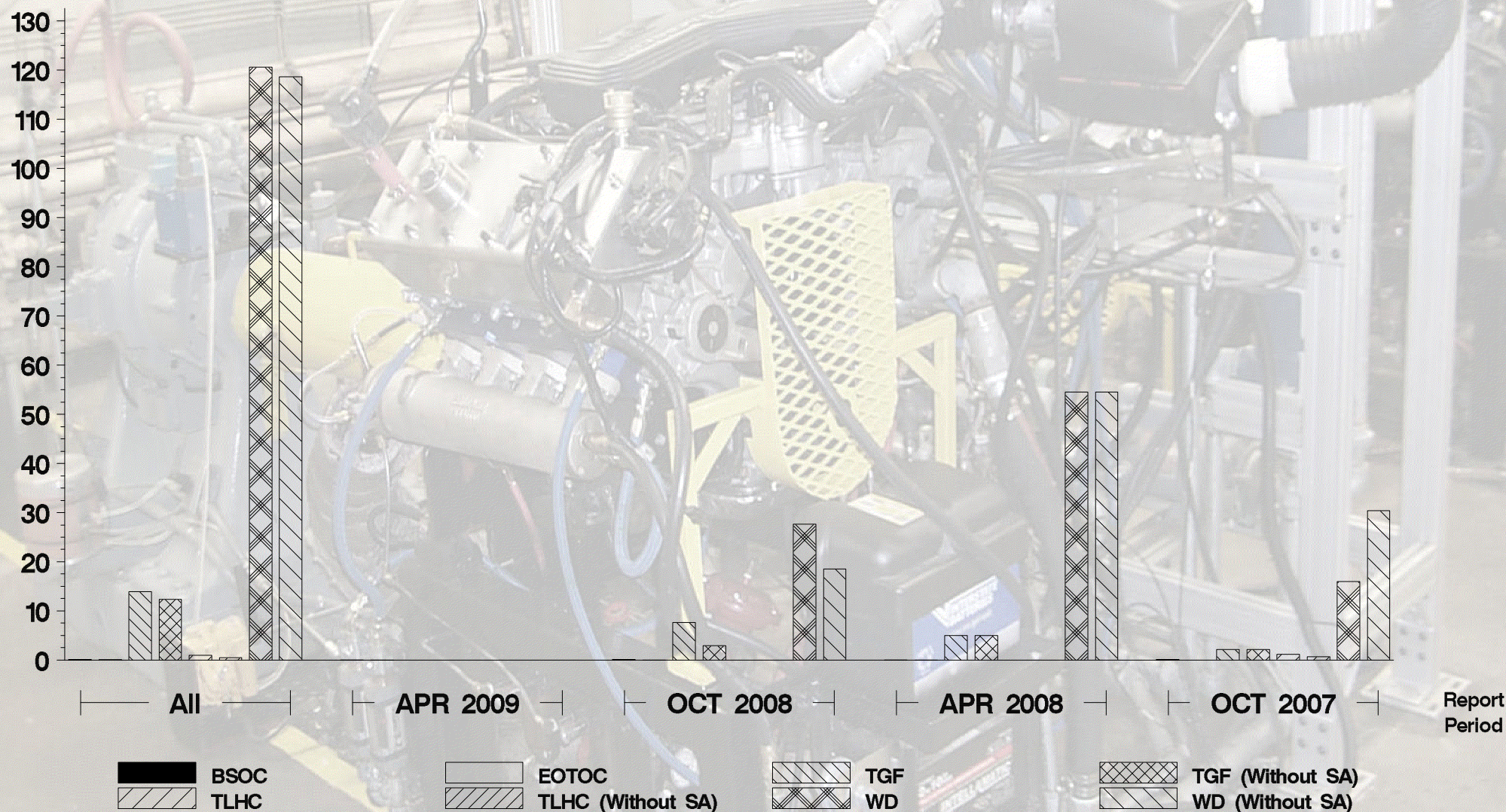






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Candidate Precision as Represented by Pooled S





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