

***VIB vis grades other than 0W-20, 5W-20, 0W-30, or 5W-30 - Report Period: APR 2008***  
***Status Of Reported Tests***

1

| STATUS               | COUNT | PERCENT |
|----------------------|-------|---------|
| Valid                | 2     | 100     |
| Total Reported Tests | 2     | 100     |

***VIB vis grades other than 0W-20, 5W-20, 0W-30, or 5W-30 - Report Period: APR 2008***  
***Replicate Database Report***

| Components of<br>Replicate<br>Database | APR<br>2008 | All<br>Periods |
|----------------------------------------|-------------|----------------|
| Number of Tests                        | .           | 13             |
| Formulations                           | .           | 6              |
| Labs                                   | .           | 5              |
| Stands                                 | .           | 10             |

***VIB vis grades other than 0W-20, 5W-20, 0W-30, or 5W-30 - Report Period: APR 2008  
by-Formulation Pooled s and Reproducibility of Replicate Data***

3

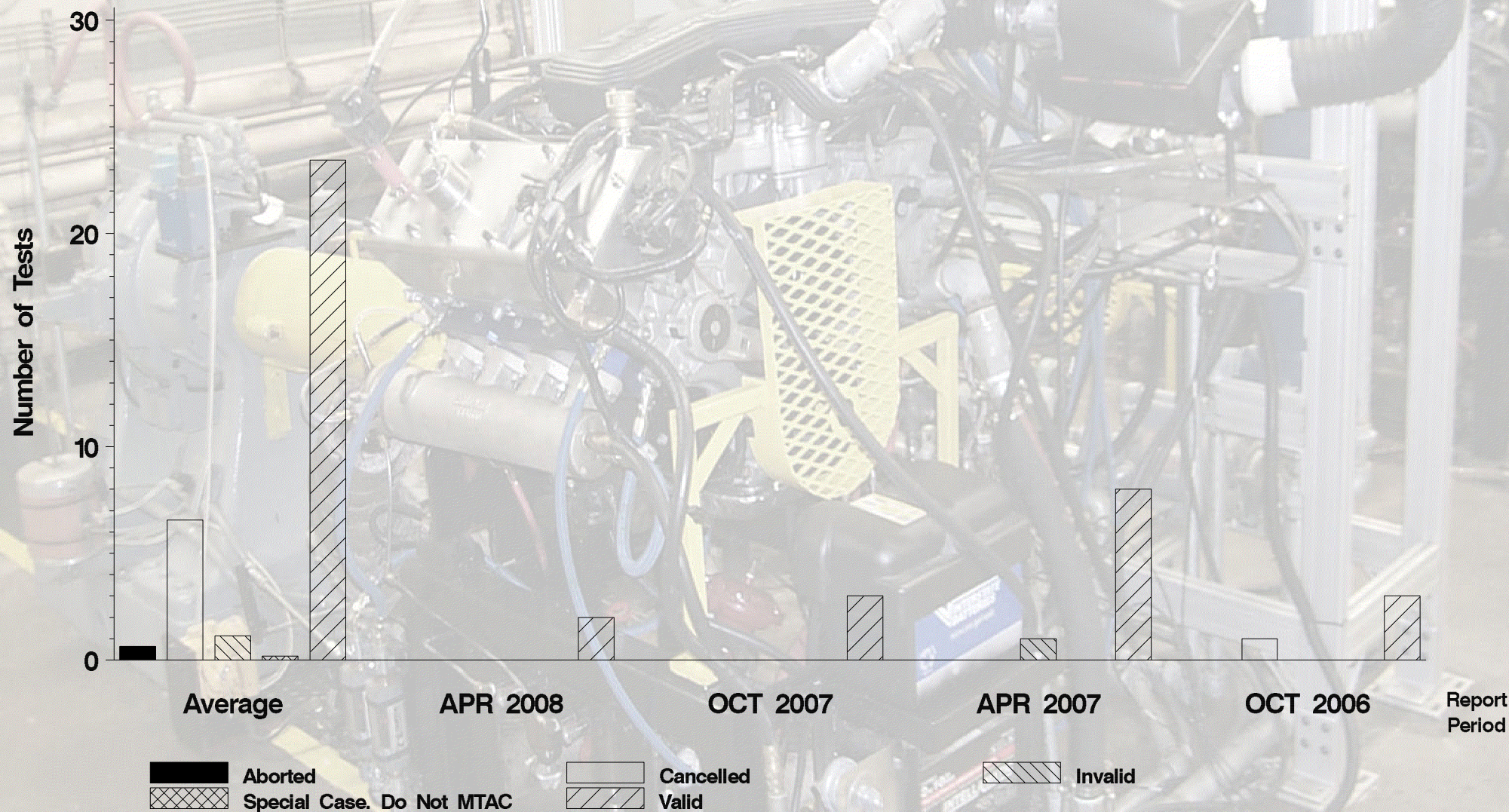
| Report Period | Parameter         | Degrees of Freedom | Pooled s | R       |
|---------------|-------------------|--------------------|----------|---------|
| All           | FEI1              | 7                  | 0.32256  | 0.90316 |
| All           | FEI2              | 7                  | 0.51601  | 1.44483 |
| All           | FEI1 (Without SA) | 7                  | 0.26709  | 0.74786 |
| All           | FEI2 (Without SA) | 7                  | 0.56664  | 1.58659 |

**VIB vis grades other than 0W-20, 5W-20, 0W-30, or 5W-30 - Report Period: APR 2008**  
**Pass/Fail**

| Report Period | API Category                   | N   | Number Passed | % Passed |
|---------------|--------------------------------|-----|---------------|----------|
| APR 2008      | All Categories, All Parameters | 2   | 2             | 100.000  |
| APR 2008      | GF-4 - All Parameters          | 2   | 2             | 100.000  |
| APR 2008      | GF-4, FEI1                     | 2   | 2             | 100.000  |
| APR 2008      | GF-4, FEI1 (Without SA)        | 2   | 2             | 100.000  |
| APR 2008      | GF-4, FEI2                     | 2   | 2             | 100.000  |
| APR 2008      | GF-4, FEI2 (Without SA)        | 2   | 2             | 100.000  |
| APR 2008      | SL - All Parameters            | 2   | 2             | 100.000  |
| APR 2008      | SL, FEI1                       | 2   | 2             | 100.000  |
| APR 2008      | SL, FEI1 (Without SA)          | 2   | 2             | 100.000  |
| APR 2008      | SL, FEI2                       | 2   | 2             | 100.000  |
| APR 2008      | SL, FEI2 (Without SA)          | 2   | 2             | 100.000  |
| All           | All Categories, All Parameters | 375 | 91            | 24.267   |
| All           | GF-4 - All Parameters          | 375 | 91            | 24.267   |
| All           | GF-4, FEI1                     | 375 | 217           | 57.867   |
| All           | GF-4, FEI1 (Without SA)        | 375 | 207           | 55.200   |
| All           | GF-4, FEI2                     | 375 | 114           | 30.400   |
| All           | GF-4, FEI2 (Without SA)        | 375 | 119           | 31.733   |
| All           | SL - All Parameters            | 375 | 192           | 51.200   |
| All           | SL, FEI1                       | 375 | 303           | 80.800   |
| All           | SL, FEI1 (Without SA)          | 375 | 289           | 77.067   |
| All           | SL, FEI2                       | 375 | 211           | 56.267   |
| All           | SL, FEI2 (Without SA)          | 375 | 209           | 55.733   |

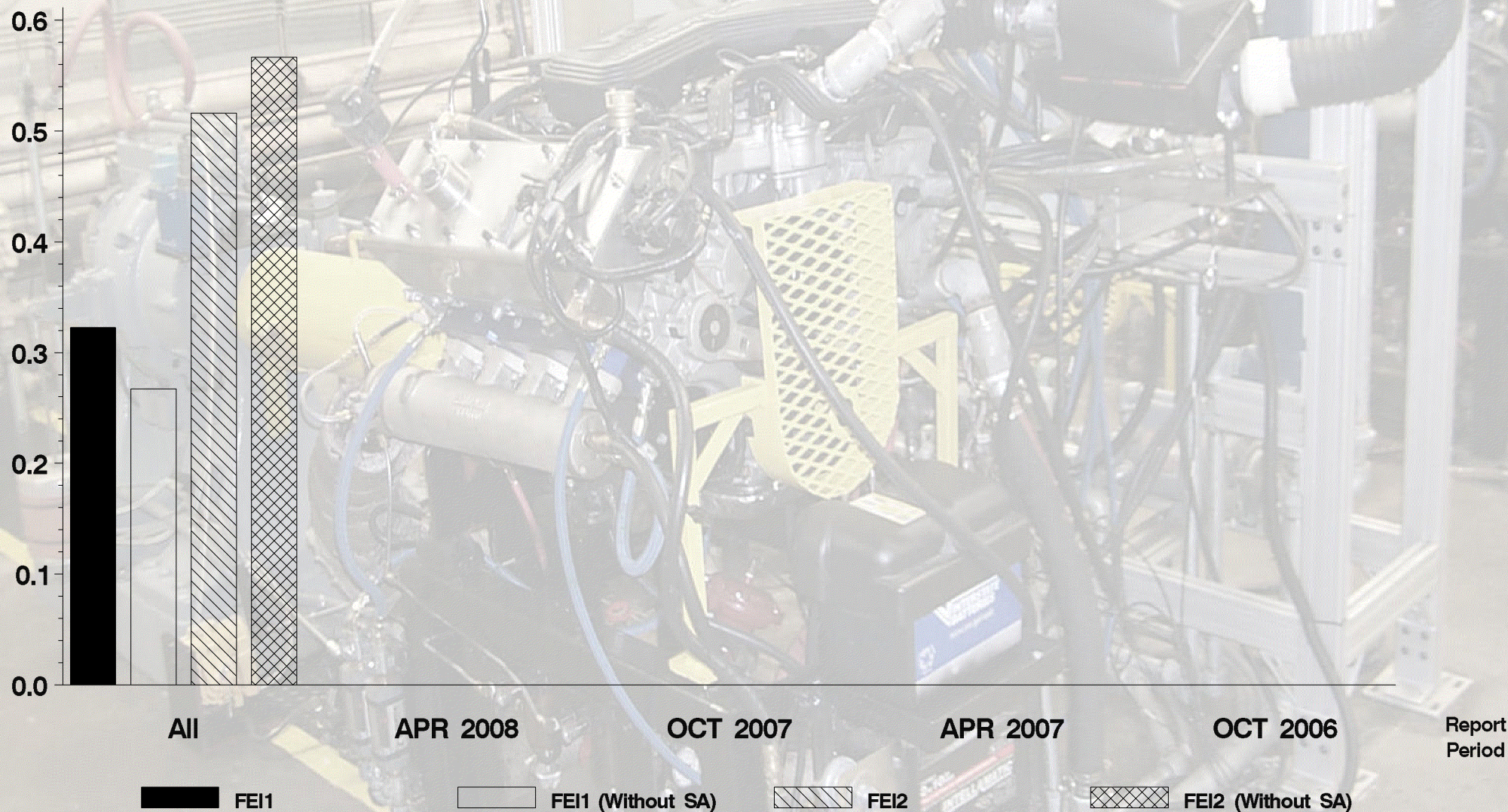
**VIB vis grades other than 0W—20, 5W—20, 0W—30, or 5W—30**

**Status of Reported Tests**



**VIB vis grades other than 0W—20, 5W—20, 0W—30, or 5W—30**

**Candidate Precision as Represented by Pooled S**



**VIB vis grades other than 0W—20, 5W—20, 0W—30, or 5W—30**

**Candidate Precision as Represented by Pooled S**

