

***VIB vis grades other than 0W-20, 5W-20, 0W-30, or 5W-30 - Report Period: APR 2002***  
***Status Of Reported Tests***

1

| STATUS               | COUNT | PERCENT |
|----------------------|-------|---------|
| Aborted              | 1     | 7.143   |
| Cancelled            | 3     | 21.429  |
| Valid                | 10    | 71.429  |
| Total Reported Tests | 14    | 100.000 |

***VIB vis grades other than 0W-20, 5W-20, 0W-30, or 5W-30 - Report Period: APR 2002***  
***Itemized Lost Test Report***

2

| Obs | Date     | TESTKEY    | REASON                                                     |
|-----|----------|------------|------------------------------------------------------------|
| 1   | 20011101 | RSI-264242 | Prior To Completion At Sponsor Request                     |
| 2   | 20011221 | RSI-264635 | Prior To Completion At Sponsor Request                     |
| 3   | 20011227 | RSI-264650 | Prior To Completion At Sponsor Request                     |
| 4   | 20020214 | RSI-264931 | Prior To Completion,reason Being Beyond Control Of The Lab |

***VIB vis grades other than 0W-20, 5W-20, 0W-30, or 5W-30 - Report Period: APR 2002***  
***Replicate Database Report***

| Components of Replicate Database | APR 2002 | All Periods |
|----------------------------------|----------|-------------|
| Number of Tests                  | .        | 11          |
| Formulations                     | .        | 5           |
| Labs                             | .        | 5           |
| Stands                           | .        | 10          |

***VIB vis grades other than 0W-20, 5W-20, 0W-30, or 5W-30 - Report Period: APR 2002  
by-Formulation Pooled s and Reproducibility of Replicate Data***

4

| Report Period | Parameter         | Degrees of Freedom | Pooled s | R       |
|---------------|-------------------|--------------------|----------|---------|
| All           | FEI1              | 6                  | 0.32554  | 0.91151 |
| All           | FEI2              | 6                  | 0.53676  | 1.50293 |
| All           | FEI1 (Without SA) | 6                  | 0.26682  | 0.74710 |
| All           | FEI2 (Without SA) | 6                  | 0.57772  | 1.61762 |



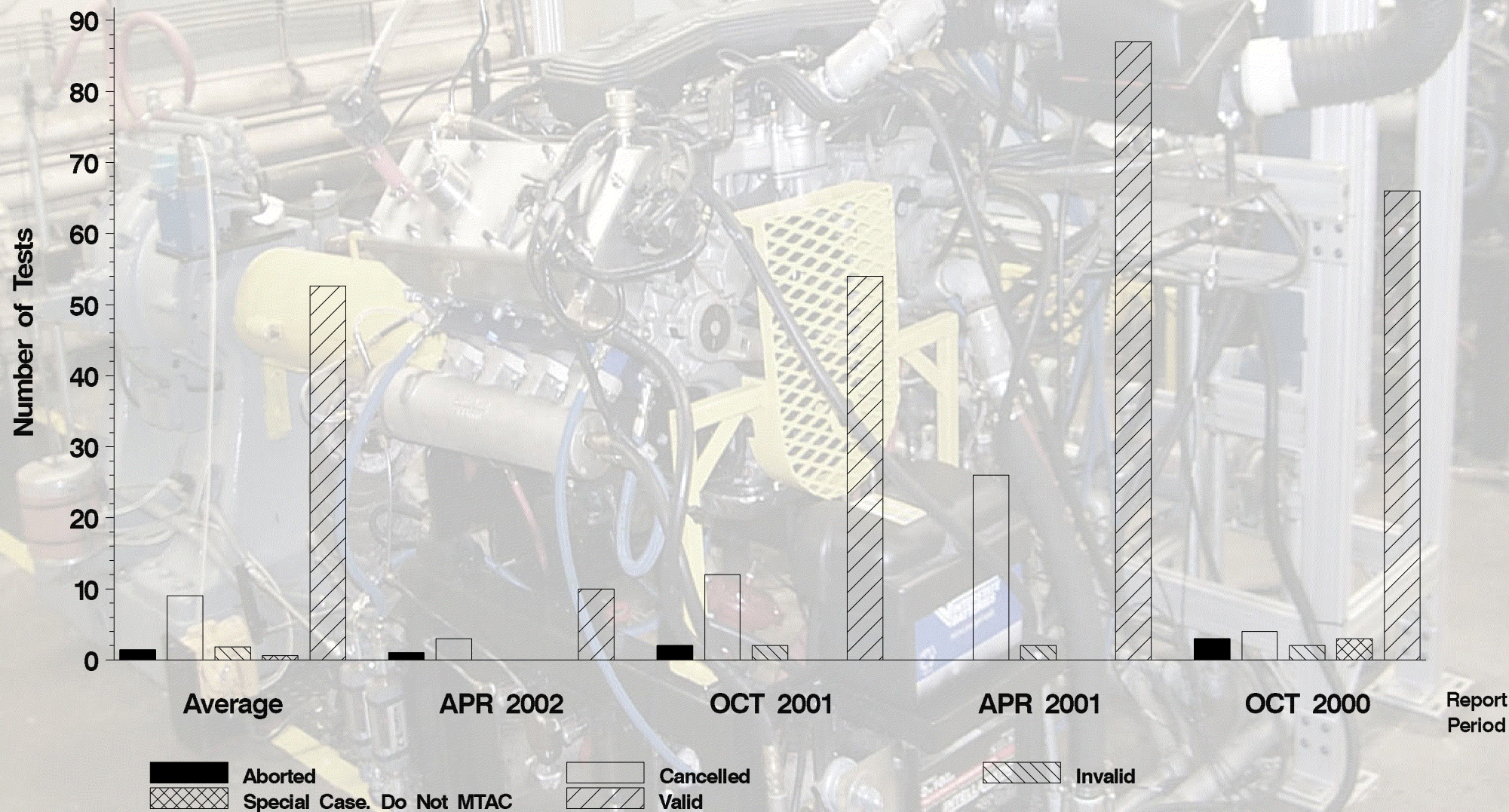
**VIB vis grades other than 0W-20, 5W-20, 0W-30, or 5W-30 - Report Period: APR 2002**  
**Pass/Fail**

| Report Period | API Category                   | N   | Number Passed | % Passed |
|---------------|--------------------------------|-----|---------------|----------|
| APR 2002      | All Categories, All Parameters | 10  | 4             | 40.0000  |
| APR 2002      | GF-4 - All Parameters          | 10  | 4             | 40.0000  |
| APR 2002      | GF-4, FEI1                     | 10  | 6             | 60.0000  |
| APR 2002      | GF-4, FEI1 (Without SA)        | 10  | 6             | 60.0000  |
| APR 2002      | GF-4, FEI2                     | 10  | 5             | 50.0000  |
| APR 2002      | GF-4, FEI2 (Without SA)        | 10  | 5             | 50.0000  |
| APR 2002      | SL - All Parameters            | 10  | 5             | 50.0000  |
| APR 2002      | SL, FEI1                       | 10  | 8             | 80.0000  |
| APR 2002      | SL, FEI1 (Without SA)          | 10  | 8             | 80.0000  |
| APR 2002      | SL, FEI2                       | 10  | 5             | 50.0000  |
| APR 2002      | SL, FEI2 (Without SA)          | 10  | 5             | 50.0000  |
| All           | All Categories, All Parameters | 263 | 58            | 22.0532  |
| All           | GF-4 - All Parameters          | 263 | 58            | 22.0532  |
| All           | GF-4, FEI1                     | 263 | 143           | 54.3726  |
| All           | GF-4, FEI1 (Without SA)        | 263 | 134           | 50.9506  |
| All           | GF-4, FEI2                     | 263 | 77            | 29.2776  |
| All           | GF-4, FEI2 (Without SA)        | 263 | 80            | 30.4183  |
| All           | SL - All Parameters            | 263 | 127           | 48.2890  |
| All           | SL, FEI1                       | 263 | 208           | 79.0875  |
| All           | SL, FEI1 (Without SA)          | 263 | 197           | 74.9049  |
| All           | SL, FEI2                       | 263 | 141           | 53.6122  |
| All           | SL, FEI2 (Without SA)          | 263 | 142           | 53.9924  |



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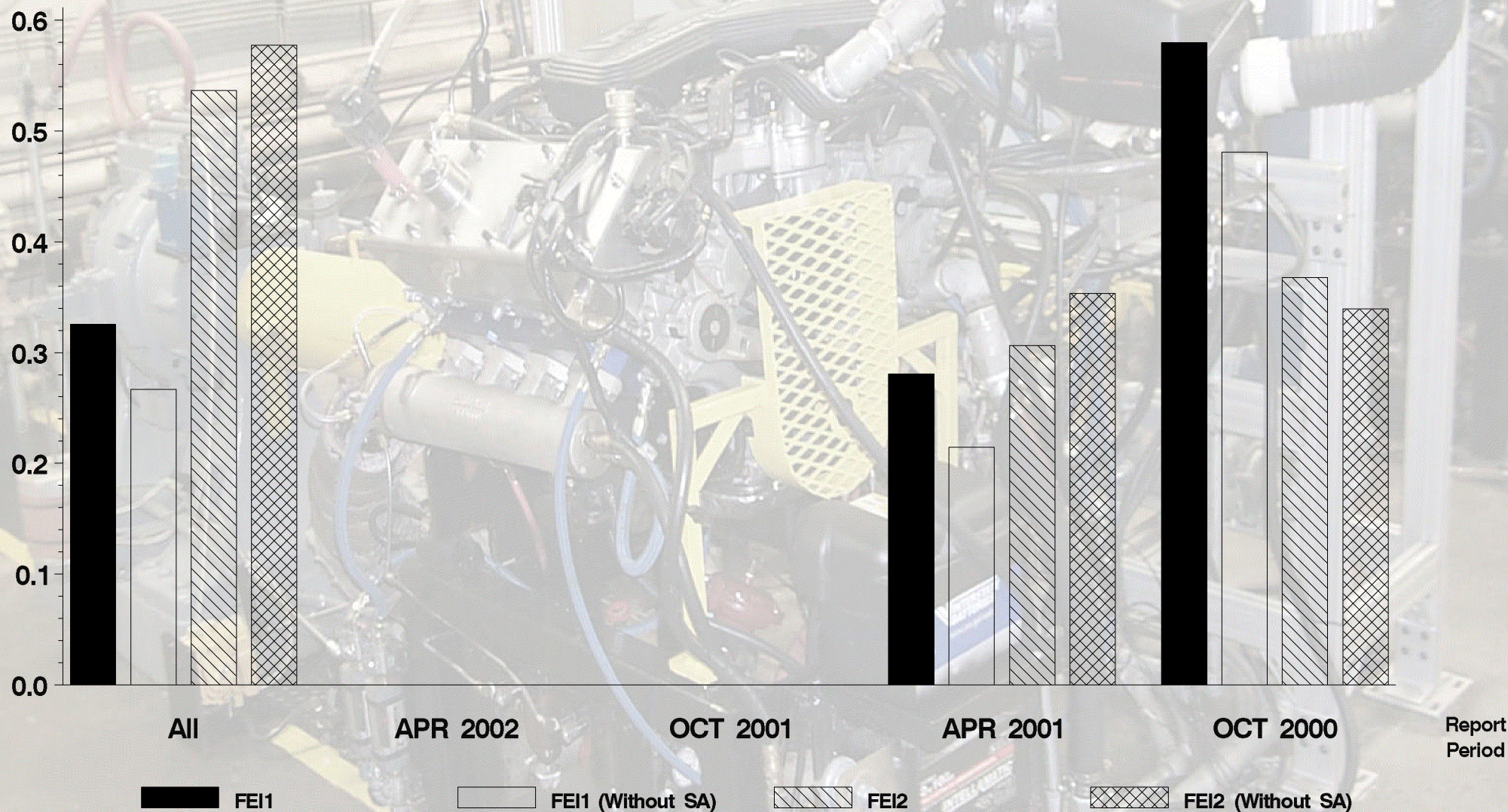
**Status of Reported Tests**





**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**

