

***VID vis grades other than 0W-20, 5W-20, 0W-30, or 5W-30 - Report Period: OCT 2010***  
***Status Of Reported Tests***

1

| STATUS               | COUNT | PERCENT |
|----------------------|-------|---------|
| Cancelled            | 4     | 13.333  |
| Invalid              | 1     | 3.333   |
| Valid                | 25    | 83.333  |
| Total Reported Tests | 30    | 100.000 |

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***Itemized Lost Test Report***

2

| Obs | Date     | TESTKEY  | REASON                                                                      |
|-----|----------|----------|-----------------------------------------------------------------------------|
| 1   | 20100427 | ACC-5221 | This Test Is Invalid For Oil Temperature Out [37.6] During Stage 5 Of Fei2. |
| 2   | 20100609 | ACC-5424 | Test Terminated At Hour 52 At Sponsor Request.                              |
| 3   | 20100706 | ACC-5715 | This Test Was Terminated At 146 Hours At The Client's Request.              |
| 4   | 20100723 | ACC-5873 | Test Terminated At Test Hour 70 Per Sponsor Request.                        |
| 5   | 20100804 | ACC-5951 | This Test Was Terminated At 112 Hours At The Client's Request.              |

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***Replicate Database Report***

| Components of<br>Replicate<br>Database | OCT<br>2010 | All<br>Periods |
|----------------------------------------|-------------|----------------|
| Number of Tests                        | .           | .              |
| Formulations                           | .           | .              |
| Labs                                   | .           | .              |
| Stands                                 | .           | .              |

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**by-Formulation Pooled s and Reproducibility of Replicate Data**

4

| Report Period | Parameter         | Degrees of Freedom | Pooled s | R       |
|---------------|-------------------|--------------------|----------|---------|
| OCT 2010      | FEI2              | 1                  | 0.12021  | 0.33658 |
| OCT 2010      | FEISUM            | 1                  | 0.21213  | 0.59397 |
| OCT 2010      | FEI2 (Without SA) | 1                  | 0.40305  | 1.12854 |
| All           | FEI2              | 2                  | 0.16808  | 0.47062 |
| All           | FEISUM            | 2                  | 0.24207  | 0.67781 |
| All           | FEI2 (Without SA) | 2                  | 0.38917  | 1.08966 |
| All           | FEI2              | 2                  | 0.16808  | 0.47062 |
| All           | FEISUM            | 2                  | 0.24207  | 0.67781 |
| All           | FEI2 (Without SA) | 2                  | 0.38917  | 1.08966 |

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**Pass/Fail**

5

| Report Period | API Category                   | N  | Number Passed | % Passed |
|---------------|--------------------------------|----|---------------|----------|
| OCT 2010      | All Categories, All Parameters | 25 | 10            | 40.0000  |
| OCT 2010      | GF-5 - All Parameters          | 25 | 10            | 40.0000  |
| OCT 2010      | GF-5, FEI2                     | 25 | 10            | 40.0000  |
| OCT 2010      | GF-5, FEI2 (Without SA)        | 25 | 6             | 24.0000  |
| OCT 2010      | GF-5, FEISUM                   | 25 | 10            | 40.0000  |
| All           | All Categories, All Parameters | 58 | 28            | 48.2759  |
| All           | GF-5 - All Parameters          | 58 | 28            | 48.2759  |
| All           | GF-5, FEI2                     | 58 | 29            | 50.0000  |
| All           | GF-5, FEI2 (Without SA)        | 58 | 20            | 34.4828  |
| All           | GF-5, FEISUM                   | 58 | 31            | 53.4483  |

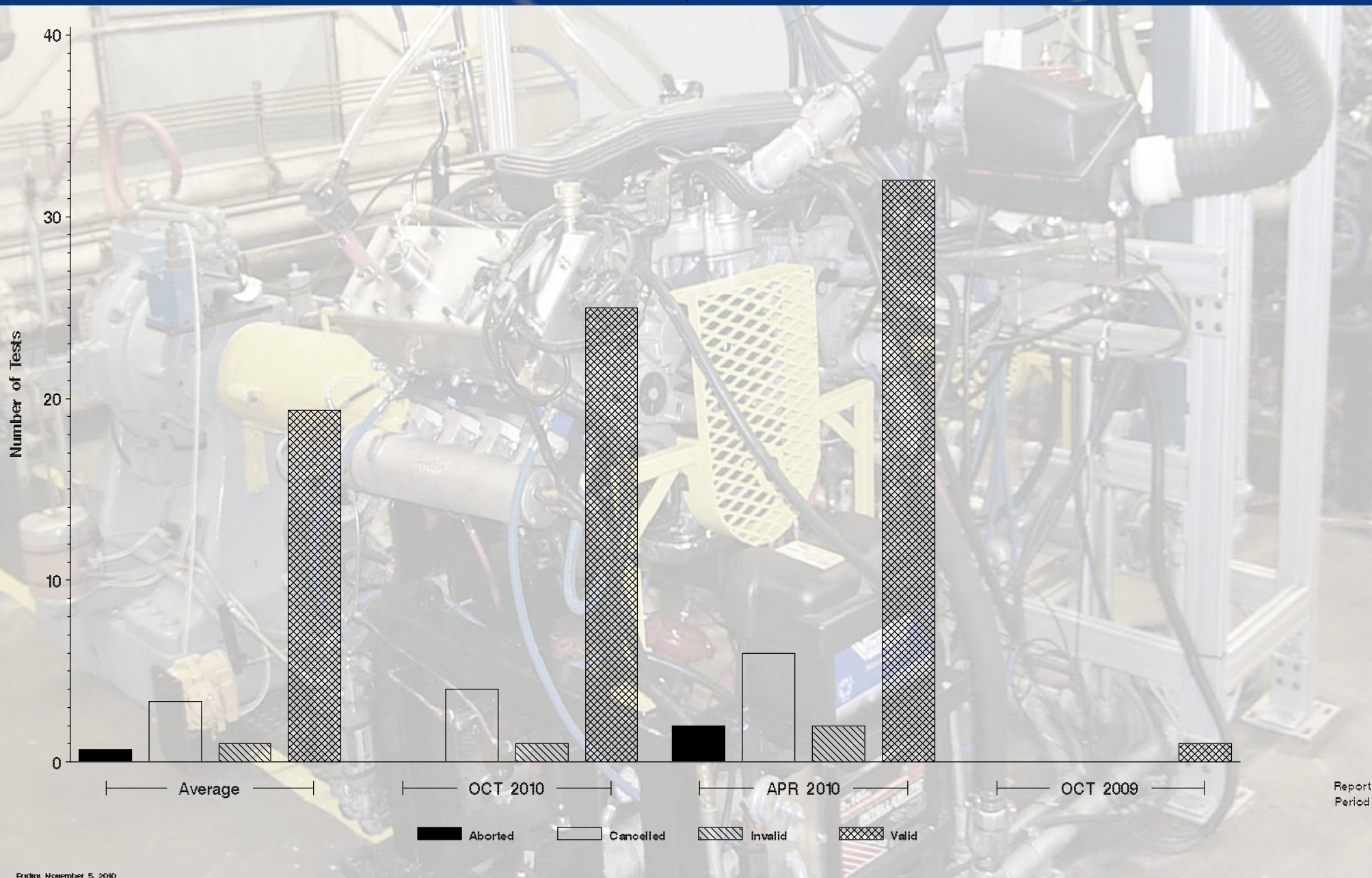


# Monitoring Agency

6555 Penn Avenue, Pittsburgh, PA 15206

<https://acc-ma.org>

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Status of Reported Tests



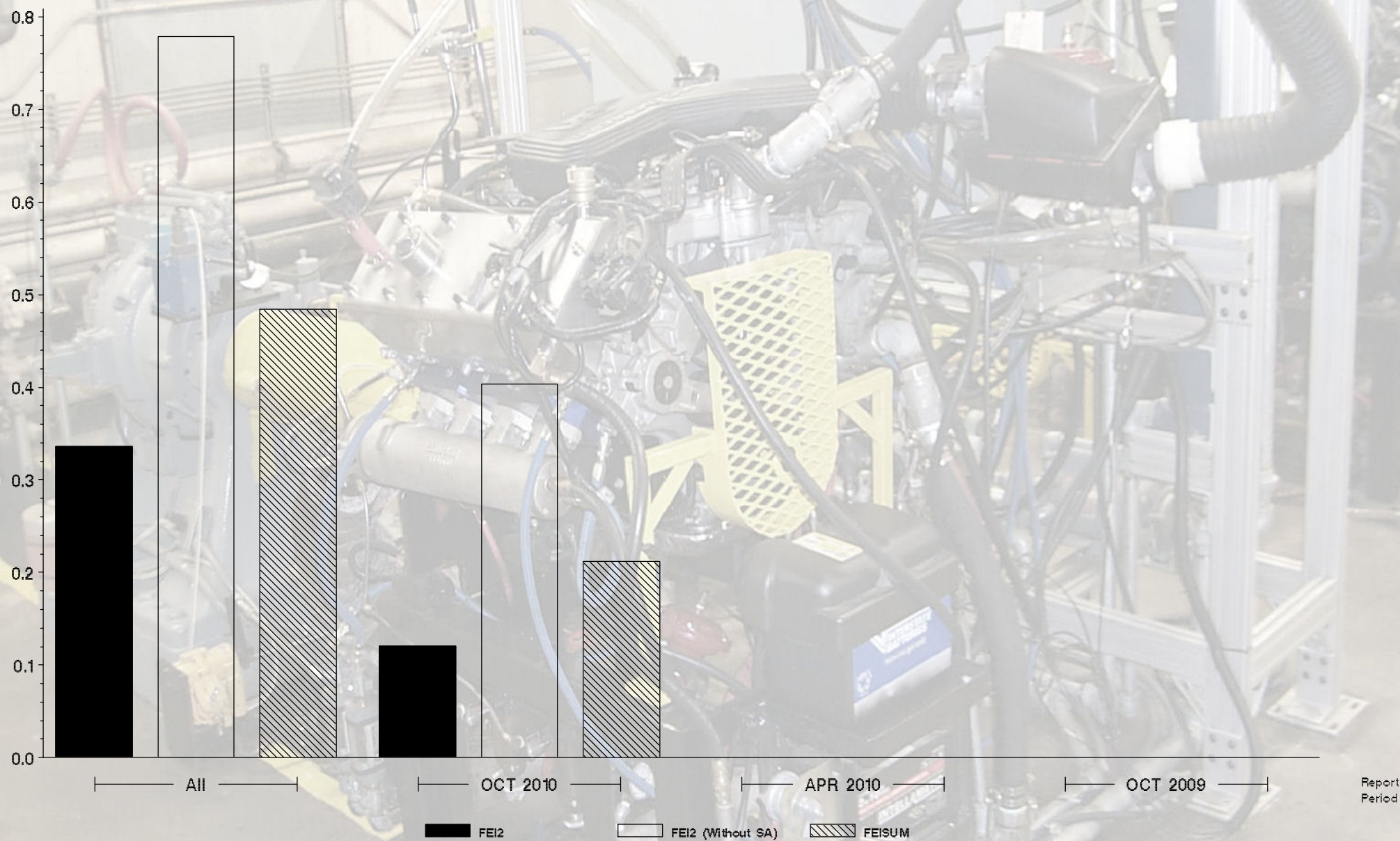


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Candidate Precision as Represented by Pooled S





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