

**VIE 0W-30/5W-30 - Report Period: APR 2019**  
**Status Of Reported Tests**

1

| STATUS               | COUNT | PERCENT |
|----------------------|-------|---------|
| Aborted              | 1     | 2.941   |
| Invalid              | 1     | 2.941   |
| Valid                | 32    | 94.118  |
| Total Reported Tests | 34    | 100.000 |

**VIE 0W-30/5W-30 - Report Period: APR 2019**  
**Itemized Lost Test Report**

| Obs | Date     | TESTKEY   | REASON                                                     |
|-----|----------|-----------|------------------------------------------------------------|
| 1   | 20181108 | ACC-24184 | Test Declared Invalid Due To Exceeding Allowable Downtime. |
| 2   | 20190221 | ACC-24823 | No Explanation Available                                   |

**VIE 0W-30/5W-30 - Report Period: APR 2019**  
**Replicate Database Report**

| Components of<br>Replicate<br>Database | APR<br>2019 | All<br>Periods |
|----------------------------------------|-------------|----------------|
| Number of Tests                        | 2           | 10             |
| Formulations                           | 1           | 4              |
| Labs                                   | 1           | 2              |
| Stands                                 | 2           | 8              |

**VIE 0W-30/5W-30 - Report Period: APR 2019**  
**by-Formulation Pooled s and Reproducibility of Replicate Data**

| Report Period | Parameter         | Degrees of Freedom | Pooled s | R       |
|---------------|-------------------|--------------------|----------|---------|
| APR 2019      | FEI2              | 1                  | 0.01414  | 0.03960 |
| APR 2019      | FEISUM            | 1                  | 0.33941  | 0.95035 |
| APR 2019      | FEI2 (Without SA) | 1                  | 0.14142  | 0.39598 |
| All           | FEI2              | 6                  | 0.26971  | 0.75518 |
| All           | FEISUM            | 6                  | 0.35125  | 0.98349 |
| All           | FEI2 (Without SA) | 6                  | 0.36457  | 1.02078 |

**VIE 0W-30/5W-30 - Report Period: APR 2019**  
**Pass/Fail**

5

| Report Period | API Category                   | N   | Number Passed | % Passed |
|---------------|--------------------------------|-----|---------------|----------|
| APR 2019      | All Categories, All Parameters | 32  | 8             | 25.0000  |
| APR 2019      | ILSAC - All Parameters         | 32  | 8             | 25.0000  |
| APR 2019      | ILSAC, FEI2                    | 32  | 11            | 34.3750  |
| APR 2019      | ILSAC, FEI2 (Without SA)       | 32  | 0             | 0.0000   |
| APR 2019      | ILSAC, FEISUM                  | 32  | 10            | 31.2500  |
| All           | All Categories, All Parameters | 158 | 15            | 9.4937   |
| All           | ILSAC - All Parameters         | 158 | 15            | 9.4937   |
| All           | ILSAC, FEI2                    | 158 | 24            | 15.1899  |
| All           | ILSAC, FEI2 (Without SA)       | 158 | 4             | 2.5316   |
| All           | ILSAC, FEISUM                  | 158 | 31            | 19.6203  |



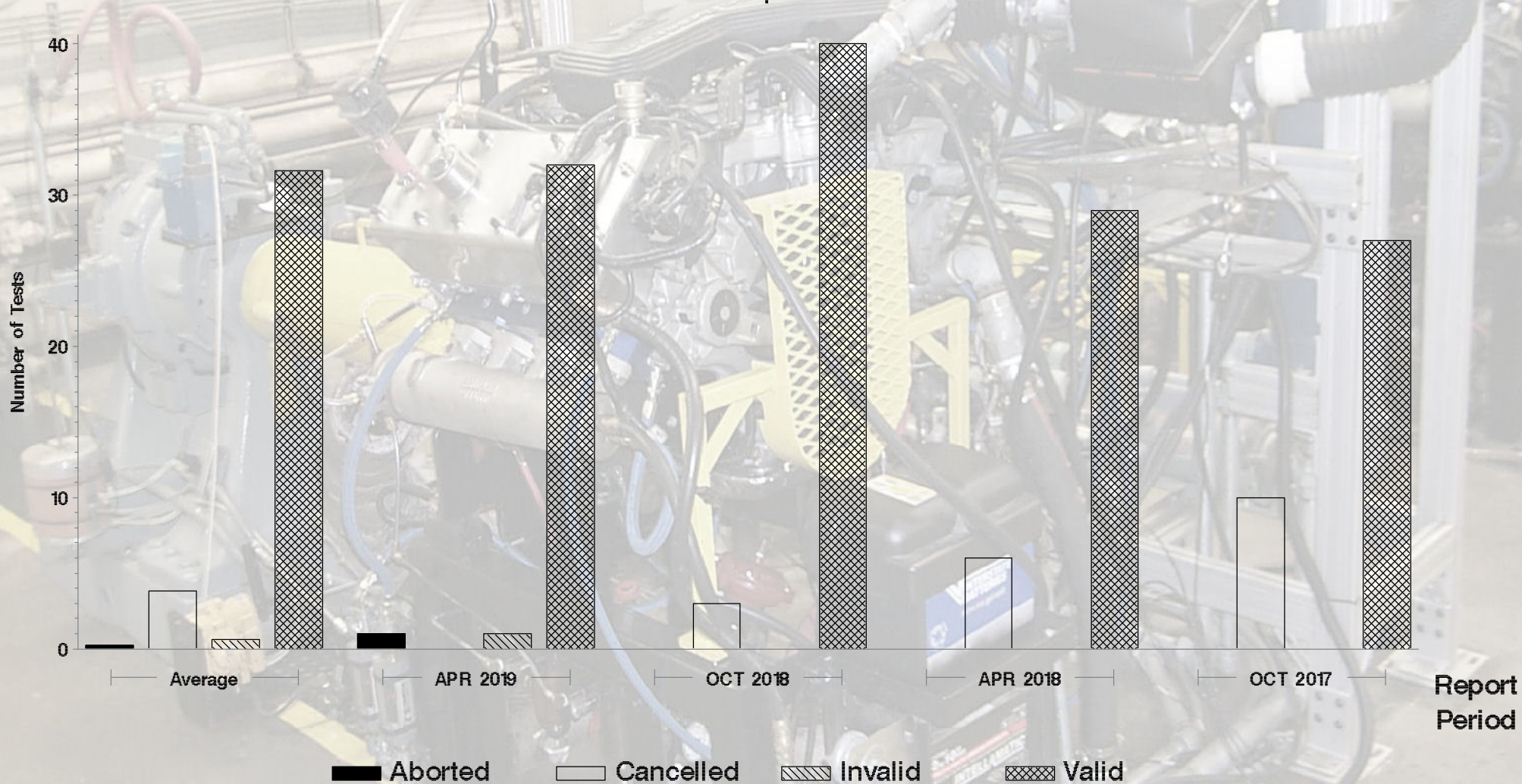
# Monitoring Agency

6555 Penn Avenue, Pittsburgh, PA 15206

<https://acc-ma.org>

## VIE 0W—30/5W—30

### Status of Reported Tests





# Monitoring Agency

6555 Penn Avenue, Pittsburgh, PA 15206

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## VIE 0W—30/5W—30

Candidate Precision as Represented by Pooled S

