

**Status Of Reported Tests**

| STATUS               | COUNT | PERCENT |
|----------------------|-------|---------|
| Aborted              | 2     | 66.667  |
| Valid                | 1     | 33.333  |
| Total Reported Tests | 3     | 100.000 |

**Itemized Lost Test Report**

| Obs | Date     | TESTKEY   | REASON                                   |
|-----|----------|-----------|------------------------------------------|
| 1   | 20230517 | ACC-33730 | Test Aborted Due To High Oil Consumption |
| 2   | 20230906 | ACC-34203 | Test Aborted Due To Piston Scuffing      |

**Replicate Database Report**

| Components of Replicate Database | OCT 2023 | All Periods |
|----------------------------------|----------|-------------|
| Number of Tests                  | .        | 44          |
| Formulations                     | .        | 21          |
| Labs                             | .        | 4           |
| Stands                           | .        | 17          |

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

| Report Period | Parameter          | Degrees of Freedom | Pooled s | R       |
|---------------|--------------------|--------------------|----------|---------|
| All           | TGC                | 23                 | 5.6146   | 15.721  |
| All           | EOTOC (Without SA) | 23                 | 0.2127   | 0.596   |
| All           | TLC                | 23                 | 8.8457   | 24.768  |
| All           | WD                 | 23                 | 40.0810  | 112.227 |
| All           | OC                 | 23                 | 0.2013   | 0.564   |
| All           | EOTOC              | 23                 | 0.1213   | 0.340   |
| All           | TGC (Without SA)   | 23                 | 5.9127   | 16.556  |
| All           | TLC (Without SA)   | 23                 | 8.5002   | 23.800  |
| All           | WD (Without SA)    | 23                 | 40.6552  | 113.834 |
| All           | OC (Without SA)    | 23                 | 0.2127   | 0.596   |

## Pass/Fail

| Report Period | API Category                   | N   | Number Passed | % Passed |
|---------------|--------------------------------|-----|---------------|----------|
| OCT 2023      | All Categories, All Parameters | 1   | 1             | 100.000  |
| OCT 2023      | CI-4 - All Parameters          | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, EOTOC                    | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, EOTOC (Without SA)       | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, OC                       | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, OC (Without SA)          | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, SCUFFING                 | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, STUCK_RINGS              | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, TGC                      | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, TGC (Without SA)         | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, TLC                      | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, TLC (Without SA)         | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, WD                       | 1   | 1             | 100.000  |
| OCT 2023      | CI-4, WD (Without SA)          | 1   | 1             | 100.000  |
| All           | All Categories, All Parameters | 392 | 242           | 61.735   |
| All           | CI-4 - All Parameters          | 392 | 242           | 61.735   |
| All           | CI-4, EOTOC                    | 392 | 324           | 82.653   |
| All           | CI-4, EOTOC (Without SA)       | 392 | 308           | 78.571   |
| All           | CI-4, OC                       | 392 | 358           | 91.327   |
| All           | CI-4, OC (Without SA)          | 392 | 350           | 89.286   |
| All           | CI-4, SCUFFING                 | 392 | 336           | 85.714   |
| All           | CI-4, STUCK_RINGS              | 392 | 391           | 99.745   |
| All           | CI-4, TGC                      | 392 | 324           | 82.653   |
| All           | CI-4, TGC (Without SA)         | 392 | 315           | 80.357   |
| All           | CI-4, TLC                      | 392 | 298           | 76.020   |

**Pass/Fail**

| Report Period | API Category           | N   | Number Passed | % Passed |
|---------------|------------------------|-----|---------------|----------|
| All           | CI-4, TLC (Without SA) | 392 | 298           | 76.020   |
| All           | CI-4, WD               | 392 | 310           | 79.082   |
| All           | CI-4, WD (Without SA)  | 392 | 303           | 77.296   |

# ACC Monitoring Agency

203 Armstrong Drive, Freeport, PA 16229, USA

<https://www.acc-ma.org>  
412-365-1000

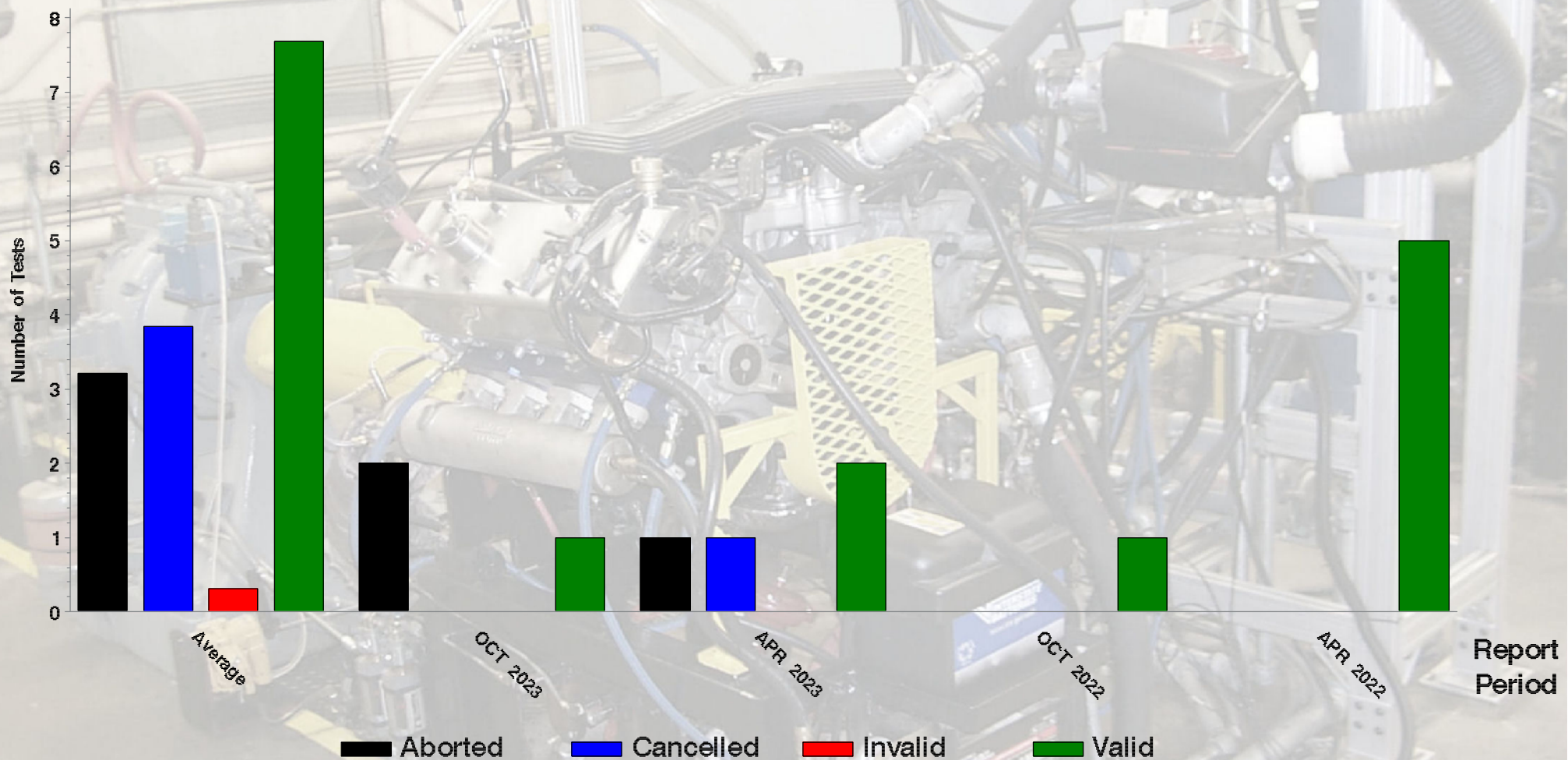
Services provided by:



A Program of ASTM International

1P

## Status of Reported Tests



# ACC Monitoring Agency

203 Armstrong Drive, Freeport, PA 16229, USA

<https://www.acc-ma.org>  
412-365-1000

Services provided by:



A Program of ASTM International

1P

Candidate Precision as Represented by Pooled S

