

**IIH - Report Period: APR 2023**  
**Where SAE vis grade is 0W-16, 0W-20, 0W-30, 5W-20, 5W-30, or 10W-30**  
**Status Of Reported Tests**

| STATUS               | COUNT | PERCENT |
|----------------------|-------|---------|
| Valid                | 48    | 100     |
| Total Reported Tests | 48    | 100     |

**IIH - Report Period: APR 2023**  
**Where SAE vis grade is 0W-16, 0W-20, 0W-30, 5W-20, 5W-30, or 10W-30**  
**Replicate Database Report**

| Components of<br>Replicate<br>Database | APR<br>2023 | All<br>Periods |
|----------------------------------------|-------------|----------------|
| Number of Tests                        | .           | 15             |
| Formulations                           | .           | 7              |
| Labs                                   | .           | 4              |
| Stands                                 | .           | 9              |

**IIH - Report Period: APR 2023**  
**Where SAE vis grade is 0W-16, 0W-20, 0W-30, 5W-20, 5W-30, or 10W-30**  
**by-Formulation Pooled s and Reproducibility of Replicate Data**

| Report Period | Parameter         | Degrees of Freedom | Pooled s | R       |
|---------------|-------------------|--------------------|----------|---------|
| All           | WPD               | 8                  | 0.31958  | 0.89483 |
| All           | PVIS              | 8                  | 0.75518  | 2.11450 |
| All           | WPD (Without SA)  | 8                  | 0.35444  | 0.99245 |
| All           | PVIS (Without SA) | 8                  | 0.81465  | 2.28102 |

**IIH - Report Period: APR 2023**  
**Where SAE vis grade is 0W-16, 0W-20, 0W-30, 5W-20, 5W-30, or 10W-30**  
**Pass/Fail**  
**PVIS <=100.0**

| Report Period | API Category                   | N    | Number Passed | % Passed |
|---------------|--------------------------------|------|---------------|----------|
| APR 2023      | All Categories, All Parameters | 48   | 28            | 58.3333  |
| APR 2023      | SP - All Parameters            | 48   | 28            | 58.3333  |
| APR 2023      | SP, PVIS                       | 48   | 36            | 75.0000  |
| APR 2023      | SP, PVIS (Without SA)          | 48   | 39            | 81.2500  |
| APR 2023      | SP, WPD                        | 48   | 31            | 64.5833  |
| APR 2023      | SP, WPD (Without SA)           | 48   | 30            | 62.5000  |
| All           | All Categories, All Parameters | 1396 | 840           | 60.1719  |
| All           | SP - All Parameters            | 1396 | 840           | 60.1719  |
| All           | SP, PVIS                       | 1396 | 1171          | 83.8825  |
| All           | SP, PVIS (Without SA)          | 1396 | 1218          | 87.2493  |
| All           | SP, WPD                        | 1396 | 916           | 65.6160  |
| All           | SP, WPD (Without SA)           | 1396 | 946           | 67.7650  |



# Monitoring Agency

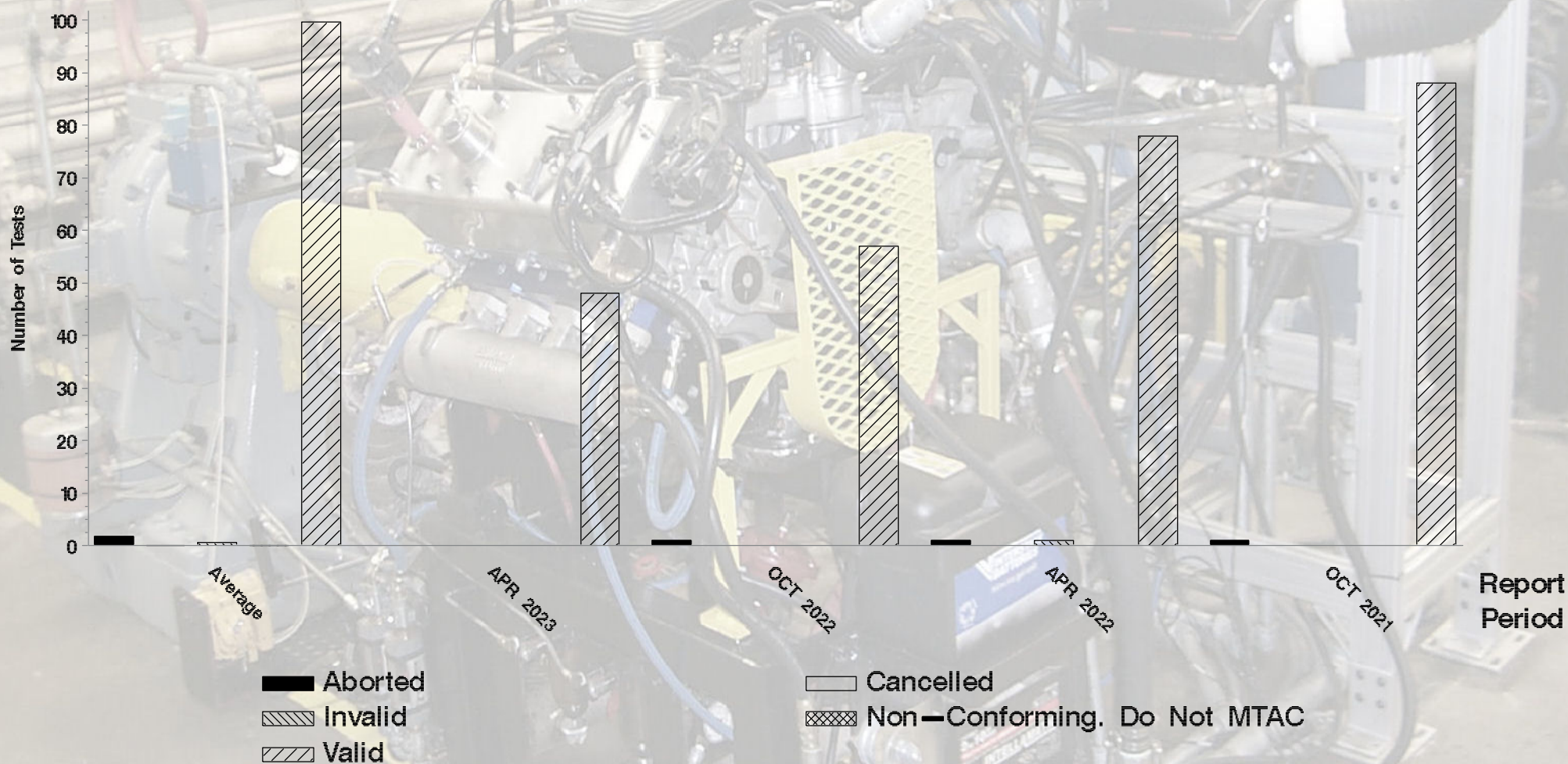
6555 Penn Avenue, Pittsburgh, PA 15206

<https://acc-ma.org>

## IIIIH

Where SAE vis grade is 0W-16, 0W-20, 0W-30, 5W-20, 5W-30, or 10W-30

### Status of Reported Tests





# Monitoring Agency

6555 Penn Avenue, Pittsburgh, PA 15206

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## IIIIH

Where SAE vis grade is 0W-16, 0W-20, 0W-30, 5W-20, 5W-30, or 10W-30  
Candidate Precision as Represented by Pooled S

