

IIIF - Report Period: OCT 2009
Status Of Reported Tests

| STATUS | COUNT | PERCENT |
|----------------------|-------|---------|
| Aborted | 9 | 11.111 |
| Cancelled | 3 | 3.704 |
| Invalid | 2 | 2.469 |
| Valid | 67 | 82.716 |
| Total Reported Tests | 81 | 100.000 |

IIIF - Report Period: OCT 2009
Itemized Lost Test Report

| Obs | Date | TESTKEY | REASON |
|-----|----------|----------|---|
| 1 | 20090521 | ACC-2327 | This Test Was Terminated At 14 Minutes Of Test Time Due To A Spun Connecting Rod Bearing. |
| 2 | 20090526 | ACC-2321 | Terminated At 74 Hours Due To Loss Of Oil Temperature Control. |
| 3 | 20090526 | ACC-2338 | Test Terminated Due To Contaminated Oil Charge. |
| 4 | 20090529 | ACC-2352 | Terminated Due To Loss Of Oil Temperature Control. |
| 5 | 20090529 | ACC-2358 | Terminated At 61:48 Hours At Client's Request Due To Significant Viscosity Increase. |
| 6 | 20090608 | ACC-2419 | Terminated @ 62 Hours Per Client's Request |
| 7 | 20090702 | ACC-2532 | Test Was Terminated By Lab At 70 Test Hours Due To Significant Viscosity Increase. |
| 8 | 20090708 | ACC-2580 | Test Terminated At 78 Hours Due To Loss Of Oil Temperature Control. |
| 9 | 20090714 | ACC-2618 | Test Was Terminated At 70 Test Hours Due To Significant Viscosity Increase |
| 10 | 20090727 | ACC-2708 | Test Was Aborted Due To Spun Connecting Rod Bearing. |
| 11 | 20090812 | ACC-2817 | Terminated At 74 Hours Due To Loss Of Oil Temperature Control. |
| 12 | 20090817 | ACC-2806 | Terminated At 79 Hours By Client Request. |
| 13 | 20090817 | ACC-2874 | Test Was Aborted During Break-In Due To Damaged Main Bearings. |
| 14 | 20090831 | ACC-2971 | Test Was Terminated Early Due To Loss Of Temperature Control. |

IIIF - Report Period: OCT 2009
Replicate Database Report

| Components of Replicate Database | OCT 2009 | All Periods |
|--|-------------|----------------|
| Number of Tests | . | 102 |
| Formulations | . | 43 |
| Labs | . | 4 |
| Stands | . | 19 |

IIIF - Report Period: OCT 2009
by-Formulation Pooled s and Reproducibility of Replicate Data

| Report Period | Parameter | Degrees of Freedom | Pooled s | R |
|---------------|--------------------|--------------------|----------|---------|
| All | PVIS | 59 | 0.02151 | 0.06023 |
| All | WPD | 59 | 0.63848 | 1.78775 |
| All | APV | 59 | 0.25635 | 0.71777 |
| All | SACLW | 59 | 3.43260 | 9.61128 |
| All | PVIS (Without SA) | 59 | 1.03640 | 2.90193 |
| All | WPD (Without SA) | 59 | 0.62622 | 1.75342 |
| All | APV (Without SA) | 59 | 0.25109 | 0.70304 |
| All | SACLW (Without SA) | 59 | 2.44846 | 6.85568 |

IIIF - Report Period: OCT 2009
Pass/Fail

| Report Period | API Category | N | Number Passed | % Passed |
|---------------|--------------------------------|------|---------------|----------|
| OCT 2009 | All Categories, All Parameters | 67 | 31 | 46.269 |
| OCT 2009 | SL - All Parameters | 67 | 31 | 46.269 |
| OCT 2009 | SL, APV | 67 | 57 | 85.075 |
| OCT 2009 | SL, APV (Without SA) | 67 | 62 | 92.537 |
| OCT 2009 | SL, PVIS | 67 | 36 | 53.731 |
| OCT 2009 | SL, PVIS (Without SA) | 67 | 34 | 50.746 |
| OCT 2009 | SL, SACLW | 67 | 67 | 100.000 |
| OCT 2009 | SL, SACLW (Without SA) | 67 | 67 | 100.000 |
| OCT 2009 | SL, STUCK_RINGS | 67 | 63 | 94.030 |
| OCT 2009 | SL, WPD | 67 | 55 | 82.090 |
| OCT 2009 | SL, WPD (Without SA) | 67 | 51 | 76.119 |
| All | All Categories, All Parameters | 1948 | 981 | 50.359 |
| All | SL - All Parameters | 1948 | 981 | 50.359 |
| All | SL, APV | 1948 | 1635 | 83.932 |
| All | SL, APV (Without SA) | 1948 | 1648 | 84.600 |
| All | SL, PVIS | 1948 | 1390 | 71.355 |
| All | SL, PVIS (Without SA) | 1948 | 1382 | 70.945 |
| All | SL, SACLW | 1948 | 1856 | 95.277 |
| All | SL, SACLW (Without SA) | 1948 | 1889 | 96.971 |
| All | SL, STUCK_RINGS | 1948 | 1937 | 99.435 |
| All | SL, WPD | 1948 | 1504 | 77.207 |
| All | SL, WPD (Without SA) | 1948 | 1486 | 76.283 |



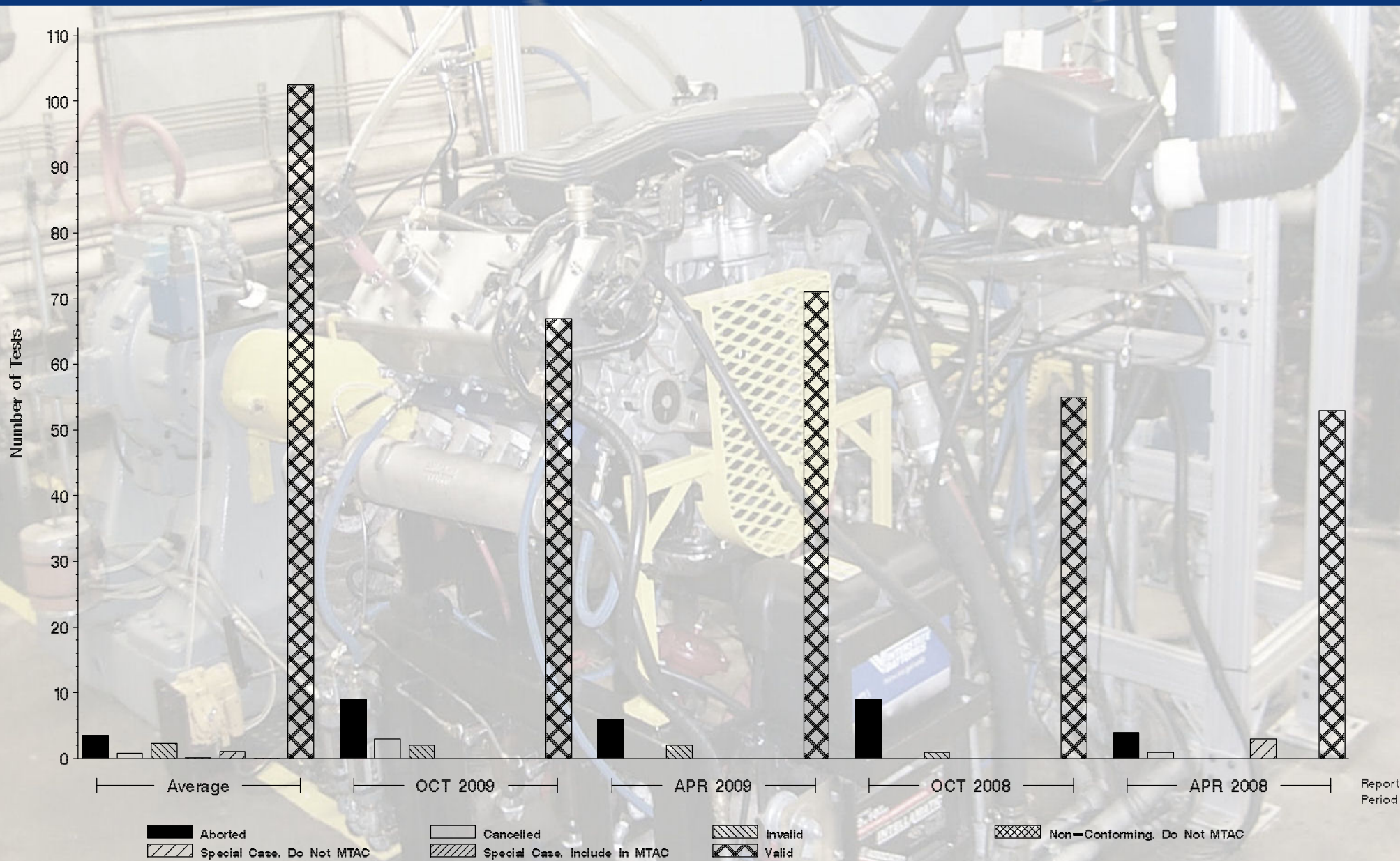
Monitoring Agency

6555 Penn Avenue, Pittsburgh, PA 15206

<https://acc-ma.org>

IIIF

Status of Reported Tests





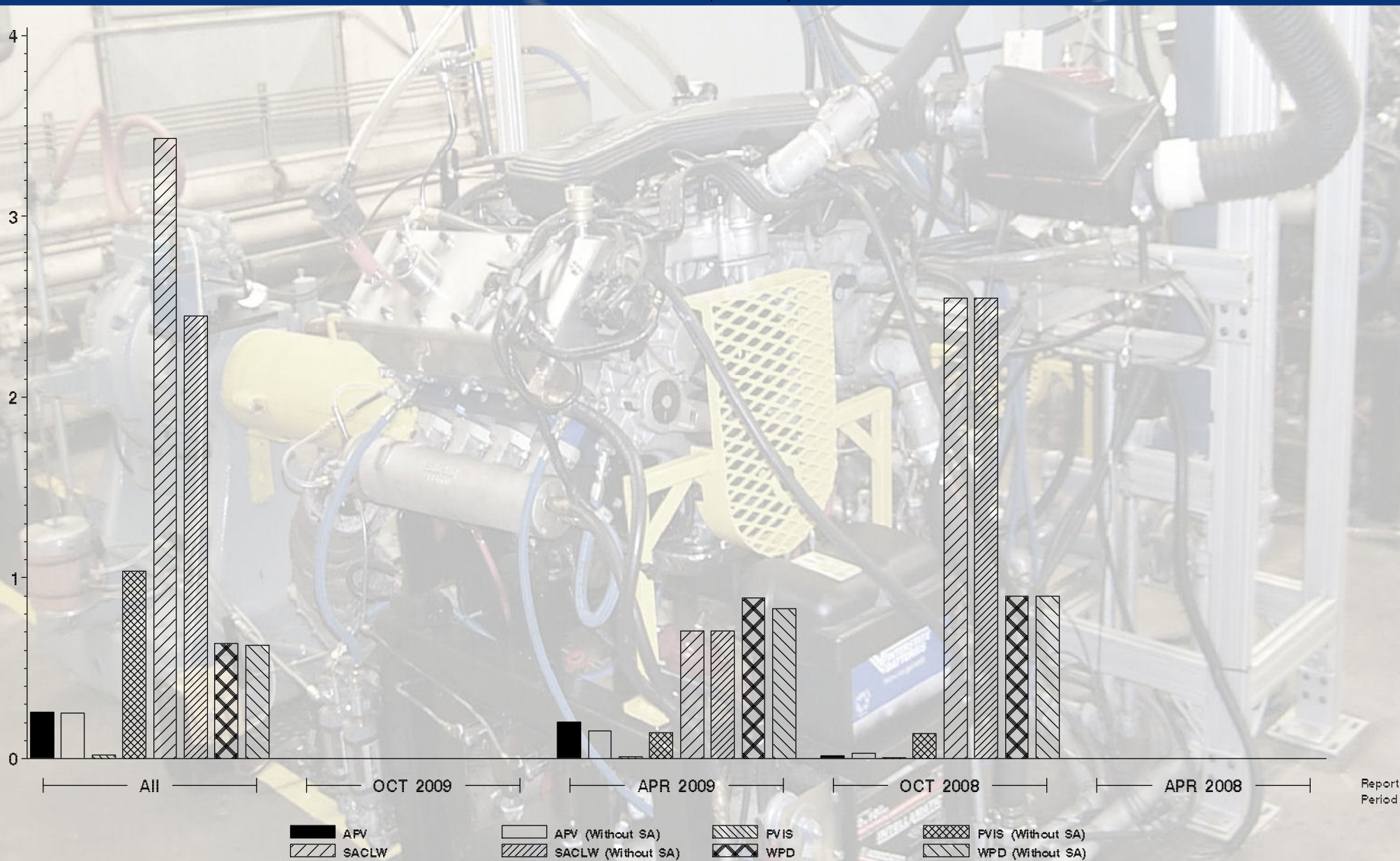
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Candidate Precision as Represented by Pooled S



Report
Period