

IIIG - Report Period: OCT 2009
Status Of Reported Tests

1

| STATUS | COUNT | PERCENT |
|---------------------------|-------|---------|
| Aborted | 13 | 5.909 |
| Cancelled | 8 | 3.636 |
| Special Case. Do Not MTAC | 7 | 3.182 |
| Valid | 192 | 87.273 |
| Total Reported Tests | 220 | 100.000 |

IIIG - Report Period: OCT 2009
Itemized Lost Test Report

| Obs | Date | TESTKEY | REASON |
|-----|----------|----------|--|
| 1 | 20090409 | ACC-2148 | Test Terminated At 97hr Due To Severe Oil Thickening And Engine Performance. |
| 2 | 20090423 | ACC-2215 | This Test Is Not Interpretable Due To Oil Consumption> 4.65 |
| 3 | 20090427 | ACC-2231 | Test Terminated At 60 Hours Per Client Request. |
| 4 | 20090520 | ACC-2304 | Terminated At 93 Hours Due To Loss Of Oil Temperature Control. |
| 5 | 20090521 | ACC-2289 | Test Terminated At 98:44 Hours Due To Significant Viscosity Increase. |
| 6 | 20090528 | ACC-2348 | Test Was Terminated At 95 Hours At Sponsor Request. |
| 7 | 20090609 | ACC-2386 | Test Aborted At 2h Due To Excessive Engine And Dyno Vibration |
| 8 | 20090617 | ACC-2466 | Terminated At 89 Hours Due To Loss Of Oil Temperature Control. |
| 9 | 20090617 | ACC-2468 | Test Terminated At Hour 75 Due To Oil Thickening. |
| 10 | 20090619 | ACC-2484 | Terminated At 97 Hours Due To Loss Of Oil Temperature Control. |
| 11 | 20090624 | ACC-2492 | Test Not Interpretable Due To Oil Consumption >4.65l. |
| 12 | 20090629 | ACC-2521 | This Test Is Not Interpretable Due To Oil Consumption Greater Than 4.65 L. |
| 13 | 20090708 | ACC-2570 | Test Terminated Due To Sponsor Request. |
| 14 | 20090709 | ACC-2591 | Non-Interpretable Result Due To Oil Consumption Exceeding 4.65l. |
| 15 | 20090713 | ACC-2599 | Test Not Interpretable, Oil Consumption >4.65l. |
| 16 | 20090714 | ACC-2575 | Test Terminated At 84 Hours Due To Excessive Blowby And Engine Performance. |
| 17 | 20090722 | ACC-2665 | Terminated At 79 Hours Due To Loss Of Oil Temperature Control. |
| 18 | 20090724 | ACC-2684 | Test Terminated At 83 Hours Per Customer Request. |
| 19 | 20090728 | ACC-2699 | Test Not Interpretable Due To Oil Consumption >4.65l. |
| 20 | 20090728 | ACC-2723 | Test Was Terminated At 87 Hours Due To Loss Of Oil Temperature Control. |
| 21 | 20090807 | ACC-2799 | This Test Was Terminated At 64 Hours By Client Request. |
| 22 | 20090812 | ACC-2841 | Test Terminated At 95 Hours Due To A Failed Head Gasket. |
| 23 | 20090818 | ACC-2884 | Oil Filter Block Qi Is Negative Due To Oil Thickening, And Loss Of Temperature Control. Test Was Ended Early Per Customer Request. |
| 24 | 20090904 | ACC-2995 | Terminated At 87 Hours At Sponsor Request |

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| Obs | Date | TESTKEY | REASON |
|-----|----------|----------|---|
| 25 | 20090910 | ACC-3038 | Test Terminated At 93 Hours Due To Loss Of Oil Pressure. |
| 26 | 20090910 | ACC-3045 | Test Was Terminated Early Per Customer Request. |
| 27 | 20090915 | ACC-3067 | Terminated At 61 Hours Due To A Head Gasket Failure. |
| 28 | 20090922 | ACC-3141 | The Test Is Not Interpretable Due To Oil Consumption Greater Than 4.65. |

IIIG - Report Period: OCT 2009
Replicate Database Report

| Components of Replicate Database | OCT 2009 | All Periods |
|--|-------------|----------------|
| Number of Tests | 10 | 106 |
| Formulations | 6 | 43 |
| Labs | 4 | 5 |
| Stands | 8 | 20 |

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

| Report Period | Parameter | Degrees of Freedom | Pooled s | R |
|---------------|-------------------|--------------------|----------|---------|
| OCT 2009 | WPD | 4 | 0.60123 | 1.68344 |
| OCT 2009 | ACLW | 4 | 1.50981 | 4.22748 |
| OCT 2009 | PVIS | 4 | 0.28564 | 0.79978 |
| OCT 2009 | WPD (Without SA) | 4 | 0.70935 | 1.98618 |
| OCT 2009 | ACLW (Without SA) | 4 | 1.60155 | 4.48433 |
| OCT 2009 | PVIS (Without SA) | 4 | 0.31783 | 0.88991 |
| All | WPD | 64 | 0.69301 | 1.94044 |
| All | ACLW | 64 | 0.54293 | 1.52019 |
| All | PVIS | 64 | 0.34036 | 0.95300 |
| All | WPD (Without SA) | 64 | 0.71092 | 1.99058 |
| All | ACLW (Without SA) | 64 | 0.57274 | 1.60367 |
| All | PVIS (Without SA) | 64 | 0.33673 | 0.94285 |

IIIG - Report Period: OCT 2009
Pass/Fail

| Report Period | API Category | N | Number Passed | % Passed |
|---------------|--------------------------------|------|---------------|----------|
| OCT 2009 | All Categories, All Parameters | 192 | 110 | 57.2917 |
| OCT 2009 | GF-4 - All Parameters | 192 | 110 | 57.2917 |
| OCT 2009 | GF-4, ACLW | 192 | 189 | 98.4375 |
| OCT 2009 | GF-4, ACLW (Without SA) | 192 | 190 | 98.9583 |
| OCT 2009 | GF-4, PVIS | 192 | 121 | 63.0208 |
| OCT 2009 | GF-4, PVIS (Without SA) | 192 | 120 | 62.5000 |
| OCT 2009 | GF-4, STUCK_RINGS | 192 | 190 | 98.9583 |
| OCT 2009 | GF-4, WPD | 192 | 158 | 82.2917 |
| OCT 2009 | GF-4, WPD (Without SA) | 192 | 122 | 63.5417 |
| All | All Categories, All Parameters | 2173 | 1000 | 46.0193 |
| All | GF-4 - All Parameters | 2173 | 1000 | 46.0193 |
| All | GF-4, ACLW | 2173 | 2051 | 94.3856 |
| All | GF-4, ACLW (Without SA) | 2173 | 2077 | 95.5821 |
| All | GF-4, PVIS | 2173 | 1371 | 63.0925 |
| All | GF-4, PVIS (Without SA) | 2173 | 1454 | 66.9121 |
| All | GF-4, STUCK_RINGS | 2173 | 2162 | 99.4938 |
| All | GF-4, WPD | 2173 | 1539 | 70.8237 |
| All | GF-4, WPD (Without SA) | 2173 | 1302 | 59.9172 |



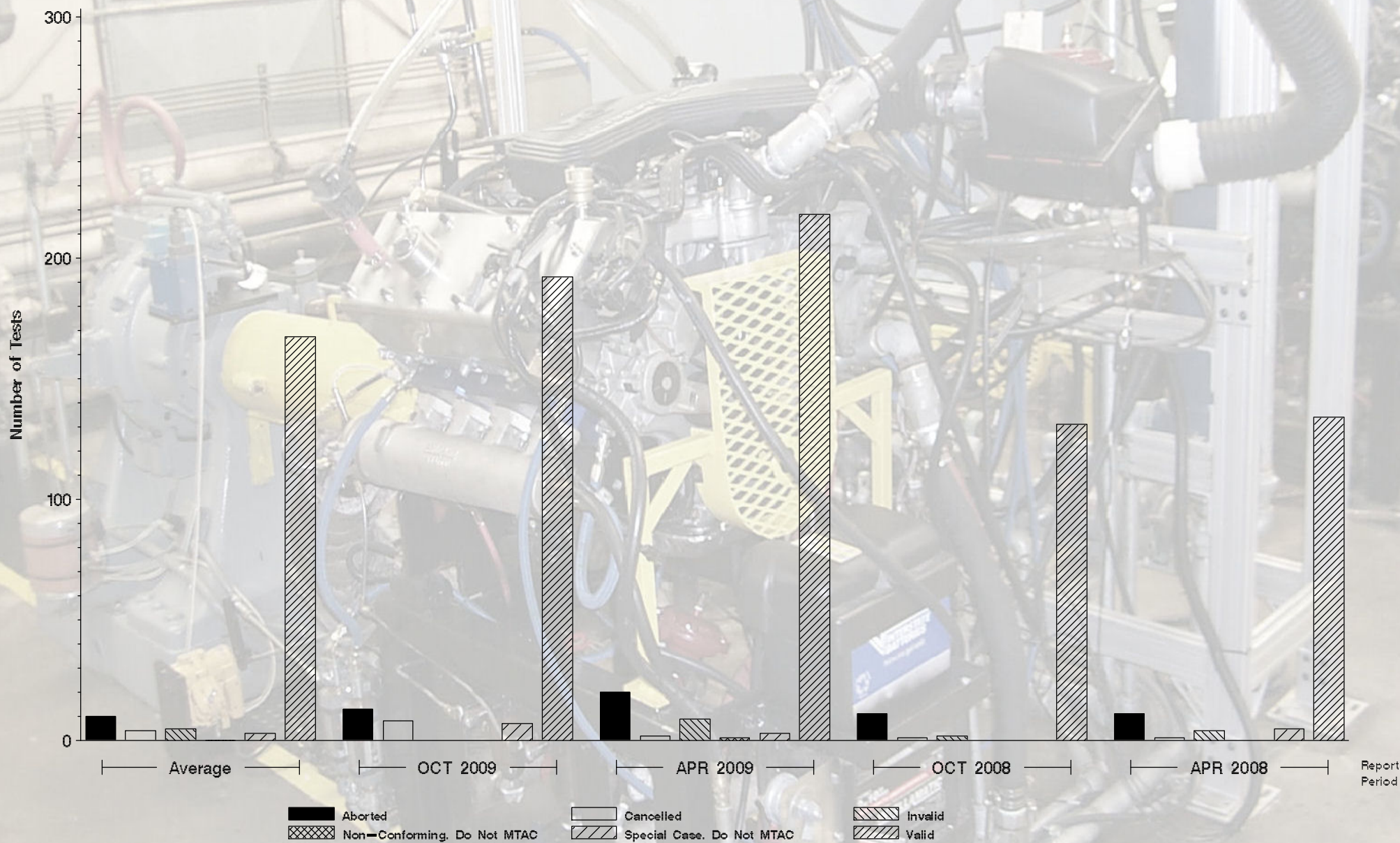
Monitoring Agency

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

