# IIIF - Report Period: OCT 2012 Status Of Reported Tests

| STATUS                    | COUNT | PERCENT |
|---------------------------|-------|---------|
| Aborted                   | 3     | 3.896   |
| Cancelled                 | 13    | 16.883  |
| Invalid                   | 1     | 1.299   |
| Special Case. Do Not MTAC | 1     | 1.299   |
| Valid                     | 59    | 76.623  |
| Total Reported Tests      | 77    | 100.000 |

# IIIF - Report Period: OCT 2012 Itemized Lost Test Report

| Obs | Date  | TESTKEY  | REASON   |  |
|-----|---|--|--|--|
| 1   | 20120430  | ACC-9802   | Test Terminated At Test Hour 75 Per Sponsor Request.   |  |
| 2   | 20120604  | ACC-10046  | Test Was Terminated At Test Hour 71 Per Sponsor's Request  |  |
| 3   | 20120608  | ACC-10072  | Test Terminated At Test Hour 60 Per Sponsor's Request.   |  |
| 4   | 20120718  | ACC-10338  | Test Terminated At Test Hour 50 At Sponsor Request.  |  |
| 5   | 20120718  | ACC-10340  | Test Terminated At Test Hour 78 Per Sponsor Request.   |  |
| 6   | 20120809  | ACC-10460  | C-10460 Test Terminated At Test Hour 79 At Sponsor Request   |  |
| 7   | 20120813  | 20813 ACC-10484 Test Terminated During Break-In Warm Up Due To Connecting Rod Bearinging Failure.  |  |  |
| 8   | 20120821  | 0120821 ACC-10540 Test Terminated At Test Hour 68 At Sponsor's Request.                            |  |  |
| 9   | 20120822  | 20120822 ACC-10548 Test Declared Non-Interpretable Due To Oil Consumption Greater Than 6.5 Liters. |  |  |
| 10  | 20120822  | 20120822 ACC-10516 Test Terminated At Test Hour 70 Due To Loss Of Oil Temperature Control          |  |  |
| 11  | 20120824 ACC-10576 Test Terminated At Test Hour 77 At Sponsor Request.  |  |  |  |
| 12  | 2 20120824 ACC-10587 Test Terminated At Test Hour 60 At Sponsor's Request.  |  | Test Terminated At Test Hour 60 At Sponsor's Request.  |  |
| 13  | 20120830 ACC-10624 Test Terminated At Test Hour 77 At Sponsor's Request   |  | Test Terminated At Test Hour 77 At Sponsor's Request   |  |
| 14  | 20120907 ACC-10671 Test Terminated At Test Hour 76 At Sponsor's Request   |  | Test Terminated At Test Hour 76 At Sponsor's Request   |  |
| 15  | 20120907 ACC-10648 Test Terminated At Test Hour 43 By The Sponsor Due To Failure To Return The 30 Hour Oil Purge To The Eng |  | Test Terminated At Test Hour 43 By The Sponsor Due To Failure To Return The 30 Hour Oil Purge To The Engine. |  |
| 16  | 20120911  | ACC-10692  | Test Terminated At Test Hour 75 At Sponsor Request   |  |
| 17  | 20120919  | ACC-10760  | Test Declared Invalid As It Was Run With Wrong Camshaft  |  |
| 18  | 20120921  | ACC-10744  | Test Terminated At Test Hour 65 Due To Loss Of Oil Temperature Control.                                      |  |

# IIIF - Report Period: OCT 2012 Replicate Database Report

| Components of<br>Replicate<br>Database | OCT<br>2012 | All<br>Periods |
|--|-------------|----------------|
| Number of Tests                        |             | 106            |
| Formulations                           |             | 45             |
| Labs                                   |             | 4              |
| Stands                                 |             | 19             |

# IIIF - Report Period: OCT 2012 by-Formulation Pooled s and Reproducibility of Replicate Data

| Report<br>Period | Parameter          | Degrees<br>of<br>Freedom | Pooled<br>s | R       |
|------------------|--------------------|--------------------------|-------------|---------|
| All              | PVIS               | 61                       | 0.02143     | 0.06000 |
| All              | WPD                | 61                       | 0.63854     | 1.78790 |
| All              | APV                | 61                       | 0.25952     | 0.72666 |
| All              | SACLW              | 61                       | 3.39418     | 9.50370 |
| All              | PVIS (Without SA)  | 61                       | 1.08655     | 3.04235 |
| All              | WPD (Without SA)   | 61                       | 0.62668     | 1.75471 |
| All              | APV (Without SA)   | 61                       | 0.25449     | 0.71259 |
| All              | SACLW (Without SA) | 61                       | 2.43360     | 6.81408 |

## IIIF - Report Period: OCT 2012 Pass/Fail

| Report<br>Period | API Category                   | Ν    | Number<br>Passed | %<br>Passed |
|------------------|--------------------------------|------|------------------|-------------|
| OCT 2012         | All Categories, All Parameters | 59   | 21               | 35.593      |
| OCT 2012         | SL - All Parameters            | 59   | 21               | 35.593      |
| OCT 2012         | SL, APV                        | 59   | 51               | 86.441      |
| OCT 2012         | SL, APV (Without SA)           | 59   | 59               | 100.000     |
| OCT 2012         | SL, PVIS                       | 59   | 28               | 47.458      |
| OCT 2012         | SL, PVIS (Without SA)          | 59   | 28               | 47.458      |
| OCT 2012         | SL, SACLW                      | 59   | 59               | 100.000     |
| OCT 2012         | SL, SACLW (Without SA)         | 59   | 59               | 100.000     |
| OCT 2012         | SL, STUCK_RINGS                | 59   | 54               | 91.525      |
| OCT 2012         | SL, WPD                        | 59   | 44               | 74.576      |
| OCT 2012         | SL, WPD (Without SA)           | 59   | 47               | 79.661      |
| All              | All Categories, All Parameters | 2337 | 1184             | 50.663      |
| All              | SL - All Parameters            | 2337 | 1184             | 50.663      |
| All              | SL, APV                        | 2337 | 2000             | 85.580      |
| All              | SL, APV (Without SA)           | 2337 | 2041             | 87.334      |
| All              | SL, PVIS                       | 2337 | 1614             | 69.063      |
| All              | SL, PVIS (Without SA)          | 2337 | 1588             | 67.950      |
| All              | SL, SACLW                      | 2337 | 2245             | 96.063      |
| All              | SL, SACLW (Without SA)         | 2337 | 2278             | 97.475      |
| All              | SL, STUCK_RINGS                | 2337 | 2296             | 98.246      |
| All              | SL, WPD                        | 2337 | 1849             | 79.119      |
| All              | SL, WPD (Without SA)           | 2337 | 1826             | 78.134      |





