IIIGB - Report Period: APR 2016 Status Of Reported Tests

| STATUS | COUNT | PERCENT | |
|----------------------|-------|---------|--|
| Aborted | 5 | 4.808 | |
| Invalid | 1 | 0.962 | |
| Valid | 98 | 94.231 | |
| Total Reported Tests | 104 | 100.000 | |

IIIGB - Report Period: APR 2016 Itemized Lost Test Report

| Obs | Date | TESTKEY | REASON |
|-----|----------|-----------|---|
| 1 | 20151012 | ACC-17056 | Test Terminated At Test Hour 92 Due To Inability To Maintain Load, Afr, And Oil Temperature Control. |
| 2 | 20151106 | ACC-17237 | Test Terminated At Test Hour 97 Due To A Failed Head Gasket. |
| 3 | 20151125 | ACC-17383 | Test Terminated At Test Hour 1 Due To Loss Of Oil Charge. |
| 4 | 20151207 | ACC-17465 | Test Was Terminated At Start Up Due To Connecting Rod Bearing Failure. |
| 5 | 20151209 | ACC-17138 | Test Declared Invalid Due To An Automated Data Acquisition Failure. No Operational Data Was Logged During This Test |
| 6 | 20151230 | ACC-17612 | Test Terminated At Test Hour 98 Due To Low Oil Level. |

IIIGB - Report Period: APR 2016 Replicate Database Report

| Components of Replicate Database | APR 2016 | All Periods |
|--|-------------|----------------|
| Number of Tests | 4 | 61 |
| Formulations | 2 | 29 |
| Labs | 1 | 6 |
| Stands | 1 | 16 |

IIIGB - Report Period: APR 2016 by-Formulation Pooled s and Reproducibility of Replicate Data

| Report Period | Parameter | Degrees of Freedom | Pooled s | R |
|------------------|-------------------|--------------------------|-------------|---------|
| APR 2016 | PHOS | 2 | 0.48808 | 1.36663 |
| APR 2016 | PHOS (Without SA) | 2 | 0.48808 | 1.36663 |
| All | PHOS | 32 | 1.63876 | 4.58854 |
| All | PHOS (Without SA) | 32 | 1.53981 | 4.31147 |

IIIGB - Report Period: APR 2016 Pass/Fail

| Report Period | API Category | Ν | Number Passed | % Passed |
|------------------|--------------------------------|------|------------------|-------------|
| APR 2016 | All Categories, All Parameters | 98 | 95 | 96.9388 |
| APR 2016 | SN - All Parameters | 98 | 95 | 96.9388 |
| APR 2016 | SN, PHOS | 98 | 95 | 96.9388 |
| APR 2016 | SN, PHOS (Without SA) | 98 | 95 | 96.9388 |
| All | All Categories, All Parameters | 1428 | 1315 | 92.0868 |
| All | SN - All Parameters | 1428 | 1315 | 92.0868 |
| All | SN, PHOS | 1428 | 1315 | 92.0868 |
| All | SN, PHOS (Without SA) | 1428 | 1189 | 83.2633 |





