

Q45 TESTS – STABILIZED IDLE APPROX. 1150RPM

Power Balance Test Summary On 5/6/2007 7:57:19 PM

Coolant Temperature: 183 Deg {F}

Idle Air: 10 %

Cylinder # 1

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1154 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1078 Rpm
Average RPM Drop Result... 76 Rpm
Highest RPM Drop... 404 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 2

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1154 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1081 Rpm
Average RPM Drop Result... 73 Rpm
Highest RPM Drop... 404 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 3

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1155 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1082 Rpm
Average RPM Drop Result... 73 Rpm
Highest RPM Drop... 392 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 4

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1156 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1076 Rpm
Average RPM Drop Result... 80 Rpm
Highest RPM Drop... 406 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 5

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1154 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1078 Rpm
Average RPM Drop Result... 76 Rpm
Highest RPM Drop... 391 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 6

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1158 Rpm
Cylinder Off Sampled For 5 Seconds

Average RPM When Cylinder Is Off... 1080 Rpm
Average RPM Drop Result... 78 Rpm
Highest RPM Drop... 395 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 7

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1157 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1083 Rpm
Average RPM Drop Result... 74 Rpm
Highest RPM Drop... 419 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 8

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1158 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1077 Rpm
Average RPM Drop Result... 81 Rpm
Highest RPM Drop... 395 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Power Balance Test Summary On 5/6/2007 7:55:04 PM

Coolant Temperature: 183 Deg {F}

Idle Air: 10 %

Cylinder # 1

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1156 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1085 Rpm
Average RPM Drop Result... 71 Rpm
Highest RPM Drop... 368 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 2

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1167 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1083 Rpm
Average RPM Drop Result... 84 Rpm
Highest RPM Drop... 404 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 3

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1164 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1085 Rpm
Average RPM Drop Result... 79 Rpm
Highest RPM Drop... 401 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 4

Cylinder On Stabilized For 5 Seconds

Average RPM When Cylinder Stabilized... 1162 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1084 Rpm
Average RPM Drop Result... 78 Rpm
Highest RPM Drop... 399 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 5

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1166 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1082 Rpm
Average RPM Drop Result... 84 Rpm
Highest RPM Drop... 416 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 6

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1160 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1084 Rpm
Average RPM Drop Result... 76 Rpm
Highest RPM Drop... 397 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 7

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1159 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1082 Rpm
Average RPM Drop Result... 77 Rpm
Highest RPM Drop... 409 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 8

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1162 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1083 Rpm
Average RPM Drop Result... 79 Rpm
Highest RPM Drop... 399 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Power Balance Test Summary On 5/6/2007 7:52:13 PM

Coolant Temperature: 183 Deg {F}

Idle Air: 18 %

Cylinder # 1

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1141 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1062 Rpm
Average RPM Drop Result... 79 Rpm
Highest RPM Drop... 391 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 2

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1146 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1061 Rpm
Average RPM Drop Result... 85 Rpm
Highest RPM Drop... 396 Rpm
Amount Of Data Sampled When Cylinder Off... 315

Cylinder # 3

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1149 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1062 Rpm
Average RPM Drop Result... 87 Rpm
Highest RPM Drop... 411 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 4

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1147 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1057 Rpm
Average RPM Drop Result... 90 Rpm
Highest RPM Drop... 434 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 5

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1148 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1065 Rpm
Average RPM Drop Result... 83 Rpm
Highest RPM Drop... 410 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 6

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1143 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1061 Rpm
Average RPM Drop Result... 82 Rpm
Highest RPM Drop... 393 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 7

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1147 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1058 Rpm
Average RPM Drop Result... 89 Rpm
Highest RPM Drop... 409 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 8

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1146 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1056 Rpm

Average RPM Drop Result... 90 Rpm
Highest RPM Drop... 396 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Power Balance Test Summary On 5/6/2007 7:49:46 PM

Coolant Temperature: 183 Deg {F}

Idle Air: 10 %

Cylinder # 1

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1137 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1066 Rpm
Average RPM Drop Result... 71 Rpm
Highest RPM Drop... 424 Rpm
Amount Of Data Sampled When Cylinder Off... 306

Cylinder # 2

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1155 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1066 Rpm
Average RPM Drop Result... 89 Rpm
Highest RPM Drop... 442 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 3

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1149 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1065 Rpm
Average RPM Drop Result... 84 Rpm
Highest RPM Drop... 436 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 4

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1156 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1064 Rpm
Average RPM Drop Result... 92 Rpm
Highest RPM Drop... 443 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 5

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1157 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1065 Rpm
Average RPM Drop Result... 92 Rpm
Highest RPM Drop... 407 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 6

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1157 Rpm

Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1067 Rpm
Average RPM Drop Result... 90 Rpm
Highest RPM Drop... 419 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 7

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1153 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1066 Rpm
Average RPM Drop Result... 87 Rpm
Highest RPM Drop... 440 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 8

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 1161 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 1065 Rpm
Average RPM Drop Result... 96 Rpm
Highest RPM Drop... 423 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Q45 TESTS – STABILIZED IDLE APPROX. 750RPM

Power Balance Test Summary On 5/6/2007 8:23:25 PM

Coolant Temperature: 183 Deg {F}

Idle Air: 26 %

Cylinder # 1

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 752 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 705 Rpm
Average RPM Drop Result... 47 Rpm
Highest RPM Drop... 89 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 2

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 749 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 707 Rpm
Average RPM Drop Result... 42 Rpm
Highest RPM Drop... 61 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 3

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 751 Rpm

Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 705 Rpm
Average RPM Drop Result... 46 Rpm
Highest RPM Drop... 88 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 4

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 752 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 709 Rpm
Average RPM Drop Result... 43 Rpm
Highest RPM Drop... 89 Rpm
Amount Of Data Sampled When Cylinder Off... 202

Cylinder # 5

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 752 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 705 Rpm
Average RPM Drop Result... 47 Rpm
Highest RPM Drop... 102 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 6

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 749 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 713 Rpm
Average RPM Drop Result... 36 Rpm
Highest RPM Drop... 61 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 7

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 750 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 703 Rpm
Average RPM Drop Result... 47 Rpm
Highest RPM Drop... 87 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 8

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 753 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 703 Rpm
Average RPM Drop Result... 50 Rpm
Highest RPM Drop... 90 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Power Balance Test Summary On 5/6/2007 8:20:54 PM

Coolant Temperature: 183 Deg {F}

Idle Air: 28 %

Cylinder # 1

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 757 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 707 Rpm
Average RPM Drop Result... 50 Rpm
Highest RPM Drop... 94 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 2

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 754 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 707 Rpm
Average RPM Drop Result... 47 Rpm
Highest RPM Drop... 91 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 3

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 751 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 706 Rpm
Average RPM Drop Result... 45 Rpm
Highest RPM Drop... 88 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 4

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 753 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 707 Rpm
Average RPM Drop Result... 46 Rpm
Highest RPM Drop... 65 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 5

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 754 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 706 Rpm
Average RPM Drop Result... 48 Rpm
Highest RPM Drop... 91 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 6

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 751 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 713 Rpm
Average RPM Drop Result... 38 Rpm
Highest RPM Drop... 63 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 7

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 754 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 705 Rpm
Average RPM Drop Result... 49 Rpm

Highest RPM Drop... 91 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 8

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 752 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 702 Rpm
Average RPM Drop Result... 50 Rpm
Highest RPM Drop... 89 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Power Balance Test Summary On 5/6/2007 8:18:19 PM

Coolant Temperature: 183 Deg {F}

Idle Air: 22 %

Cylinder # 1

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 749 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 704 Rpm
Average RPM Drop Result... 45 Rpm
Highest RPM Drop... 86 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 2

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 748 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 703 Rpm
Average RPM Drop Result... 45 Rpm
Highest RPM Drop... 85 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 3

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 748 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 700 Rpm
Average RPM Drop Result... 48 Rpm
Highest RPM Drop... 85 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 4

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 751 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 705 Rpm
Average RPM Drop Result... 46 Rpm
Highest RPM Drop... 88 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 5

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 750 Rpm
Cylinder Off Sampled For 5 Seconds

Average RPM When Cylinder Is Off... 705 Rpm
Average RPM Drop Result... 45 Rpm
Highest RPM Drop... 87 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 6

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 750 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 707 Rpm
Average RPM Drop Result... 43 Rpm
Highest RPM Drop... 87 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 7

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 752 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 703 Rpm
Average RPM Drop Result... 49 Rpm
Highest RPM Drop... 89 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 8

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 749 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 700 Rpm
Average RPM Drop Result... 49 Rpm
Highest RPM Drop... 86 Rpm
Amount Of Data Sampled When Cylinder Off... 310

Power Balance Test Summary On 5/6/2007 8:16:09 PM

Coolant Temperature: 183 Deg {F}

Idle Air: 23 %

Cylinder # 1

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 751 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 703 Rpm
Average RPM Drop Result... 48 Rpm
Highest RPM Drop... 88 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 2

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 749 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 705 Rpm
Average RPM Drop Result... 44 Rpm
Highest RPM Drop... 86 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 3

Cylinder On Stabilized For 5 Seconds

Average RPM When Cylinder Stabilized... 750 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 704 Rpm
Average RPM Drop Result... 46 Rpm
Highest RPM Drop... 87 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 4

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 748 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 703 Rpm
Average RPM Drop Result... 45 Rpm
Highest RPM Drop... 85 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 5

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 751 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 702 Rpm
Average RPM Drop Result... 49 Rpm
Highest RPM Drop... 88 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 6

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 749 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 706 Rpm
Average RPM Drop Result... 43 Rpm
Highest RPM Drop... 86 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 7

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 748 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 702 Rpm
Average RPM Drop Result... 46 Rpm
Highest RPM Drop... 85 Rpm
Amount Of Data Sampled When Cylinder Off... 320

Cylinder # 8

Cylinder On Stabilized For 5 Seconds
Average RPM When Cylinder Stabilized... 748 Rpm
Cylinder Off Sampled For 5 Seconds
Average RPM When Cylinder Is Off... 701 Rpm
Average RPM Drop Result... 47 Rpm
Highest RPM Drop... 85 Rpm
Amount Of Data Sampled When Cylinder Off... 320

TRUCK TESTS – STABILIZED IDLE APPROX. 640RPM

Power Balance Test Summary On 5/6/2007 7:14:26 PM

Coolant Temperature: 171 Deg {F}

Idle Air: 66 %

Cylinder # 1

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 650 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 526 Rpm
Average RPM Drop Result... 124 Rpm
Highest RPM Drop... 200 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 2

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 637 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 513 Rpm
Average RPM Drop Result... 124 Rpm
Highest RPM Drop... 199 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 3

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 633 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 522 Rpm
Average RPM Drop Result... 111 Rpm
Highest RPM Drop... 183 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 4

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 626 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 508 Rpm
Average RPM Drop Result... 118 Rpm
Highest RPM Drop... 176 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Power Balance Test Summary On 5/6/2007 7:12:19 PM

Coolant Temperature: 171 Deg {F}

Idle Air: 66 %

Cylinder # 1

Cylinder On Stabilized For 9 Seconds

Average RPM When Cylinder Stabilized... 650 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 527 Rpm
Average RPM Drop Result... 123 Rpm
Highest RPM Drop... 200 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 2

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 645 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 519 Rpm
Average RPM Drop Result... 126 Rpm
Highest RPM Drop... 195 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 3

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 648 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 535 Rpm
Average RPM Drop Result... 113 Rpm
Highest RPM Drop... 185 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 4

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 649 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 520 Rpm
Average RPM Drop Result... 129 Rpm
Highest RPM Drop... 199 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Power Balance Test Summary On 5/6/2007 7:10:38 PM

Coolant Temperature: 171 Deg {F}

Idle Air: 66 %

Cylinder # 1

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 646 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 518 Rpm
Average RPM Drop Result... 128 Rpm
Highest RPM Drop... 196 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 2

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 640 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 505 Rpm
Average RPM Drop Result... 135 Rpm
Highest RPM Drop... 215 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 3

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 636 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 525 Rpm
Average RPM Drop Result... 111 Rpm
Highest RPM Drop... 173 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 4

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 639 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 520 Rpm
Average RPM Drop Result... 119 Rpm
Highest RPM Drop... 201 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Power Balance Test Summary On 5/6/2007 7:08:55 PM

Coolant Temperature: 171 Deg {F}

Idle Air: 66 %

Cylinder # 1

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 648 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 518 Rpm
Average RPM Drop Result... 130 Rpm
Highest RPM Drop... 198 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 2

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 634 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 502 Rpm
Average RPM Drop Result... 132 Rpm
Highest RPM Drop... 209 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 3

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 632 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 525 Rpm
Average RPM Drop Result... 107 Rpm
Highest RPM Drop... 182 Rpm
Amount Of Data Sampled When Cylinder Off... 576

Cylinder # 4

Cylinder On Stabilized For 9 Seconds
Average RPM When Cylinder Stabilized... 647 Rpm
Cylinder Off Sampled For 9 Seconds
Average RPM When Cylinder Is Off... 527 Rpm
Average RPM Drop Result... 120 Rpm

Highest RPM Drop... 197 Rpm
Amount Of Data Sampled When Cylinder Off... 571

Summary tables of average RPM Drop, all tests.

Q45 Test – Base RPM 750

Cylinder	Trial 1	Trial 2	Trial 3	Trial 4
1	76	71	79	71
2	73	84	85	89
3	73	79	87	84
4	80	78	90	92
5	76	84	83	92
6	78	76	82	90
7	74	77	89	87
8	81	79	90	96

Q45 Test – Base RPM 1150

Cylinder	Trial 1	Trial 2	Trial 3	Trial 4
1	47	50	45	48
2	42	47	45	44
3	46	45	48	46
4	43	46	46	45
5	47	48	45	49
6	36	38	43	43
7	47	49	49	46
8	50	50	49	47

Truck Test – Base RPM 640

Cylinder	Trial 1	Trial 2	Trial 3	Trial 4
1	124	123	128	130
2	124	126	135	132
3	111	113	111	107
4	118	129	119	120