## EMISSIONS SUMMARY REPORT

| | | | | | |
|---|---|---|---|---|---|
| Vehicle ID: | **T6305PV56 / HQ61U** | Test ID: | **T6305PV56_US2XSP020821012701 / 1111541262** | | |
| Test Req: | **082012210154−4** | Location: | CHRYSLER TECH CENTER | | |
| Test Type: | **US06(2X) − using Split Bag US06** | Facility: | **Test Cell 8** | Start Time: | **01/27/2021 12:15:10** |
| Requestor: | **REDACTED** | Shift Sched.: | AUTO | Trace End: | **01/27/2021 12:36:41** |
| Driver: | **REDACTED** | Option(s): | Tailpipe modal &Bag | Inertia Weight: (lbs) | 5500 |
| Operator: | **REDACTED** | Fuel Type: | MS10756 | Road Load Coeff A: | 16.02 |
| Start Odometer: | 84893 | Fuel Anal.#: | 10933 | Road Load Coeff B: | .0996 |
| AutoLoad File: | None | INCA Project File: | 2016_WK_**REDACTED**.exp | Road Load Coeff C: | 0.02978 |
| Cell Temp Set Pt (F): | 75 | Altitude Set Pt(ft.): | 930 | Hum. Set Pt (Grains): | 50.00 |
| Test Segment: | 3/3 | Vehicle Desc.: | 0.00 WKJS74 Granite Cr | Emissions Standard: | EPA |

Test Req. Purpose: T6305PV56 – **REDACTED** – IUVT Consent Decree (2) 16MY 3.0L DSL WK (RL, PREP, FTP75, HFET, US06)

Seq. Purpose: US06 Emissions

**Individual Cycles:(Grams/Mile)** **Tailpipe:**

| | HC | NMHC | CH4 | CO | NOX | CO2 | NO | NO2 | ExVol | MPG | DM | Miles |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cycle1 | .0107 | .0039 | .0093 | .0167 | .0248 | 610.6 | .0166 | .0094 | 49.7 | 16.6526 | | .265 |
| Cycle2 | .0062 | .0031 | .0045 | .0108 | .0309 | 464.9 | .0289 | .0049 | 135.4 | 21.8819 | | 1.017 |
| Cycle3 | .0032 | .0012 | .0036 | .0084 | .0184 | 363.5 | .0170 | .0031 | 574.8 | 27.9536 | | 6.238 |
| Cycle4 | .0178 | .0024 | .0224 | .0221 | .1224 | 724.6 | .0963 | .0326 | 83.9 | 14.0339 | | .276 |
| Cycle5 | .0170 | .0054 | .0156 | .0199 | .5783 | 778.0 | .5542 | .1370 | 57.3 | 13.0780 | | .224 |

**Modal Test Results:(Grams)**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phase: 1 | | | | | | | | | | | | |
| IDLE | .0009 | .0002 | .0011 | .0009 | .0002 | 23.6 | .0000 | .0000 | 12.0 | .3447 | 0 | |
| ACCEL | .0094 | .0040 | .0073 | .0180 | .1752 | 879.7 | .1740 | .0332 | 191.7 | 8.9649 | 0 | |
| DECEL | .0075 | .0018 | .0084 | .0071 | .0261 | 106.1 | .0106 | .0140 | 122.5 | 96.8776 | 0 | |
| TOTAL | .0178 | .0060 | .0168 | .0259 | .2015 | 1009.4 | .1846 | .0472 | 326.3 | | 0 | |
| Phase: 1 | Equivalent Mass Results: (Grams/Mile) | | | | | | | | | | | |
| | **.0100** | **.0034** | **.0094** | **.0145** | **.1130** | **566.2** | **.1035** | **.0265** | **326.3** | **17.9770** | **0** | **1.783** |
| Phase: 2 | | | | | | | | | | | | |
| IDLE | .0002 | .0000 | .0002 | .0002 | .0000 | 5.2 | .0000 | .0000 | 2.5 | | 0 | |
| ACCEL | .0064 | .0033 | .0067 | .0215 | .0771 | 1029.7 | .0722 | .0141 | 225.5 | 18.7737 | 0 | |
| CRUISE | .0090 | .0032 | .0092 | .0235 | .0320 | 1002.0 | .0294 | .0047 | 245.7 | 31.0215 | 0 | |
| DECEL | .0046 | .0008 | .0063 | .0075 | .0057 | 230.9 | .0043 | .0008 | 101.1 | 56.5234 | 0 | |
| TOTAL | .0202 | .0073 | .0224 | .0527 | .1149 | 2267.7 | .1059 | .0196 | 574.8 | | 0 | |
| Phase: 2 | Equivalent Mass Results: (Grams/Mile) | | | | | | | | | | | |
| | **.0032** | **.0012** | **.0036** | **.0084** | **.0184** | **363.5** | **.0170** | **.0031** | **574.8** | **27.9536** | **0** | **6.238** |
| Phase: 1A | | | | | | | | | | | | |
| IDLE | .0004 | .0001 | .0004 | .0004 | .0000 | 10.1 | | | 4.8 | .1012 | 0 | |
| ACCEL | .0050 | .0030 | .0030 | .0112 | .0368 | 555.5 | | | 113.5 | 10.2884 | 0 | |
| DECEL | .0037 | .0011 | .0037 | .0038 | .0012 | 69.3 | | | 66.7 | 105.9633 | 0 | |
| TOTAL | .0091 | .0041 | .0071 | .0154 | .0380 | 634.8 | | | 185.0 | | 0 | |
| Phase: 1A | Equivalent Mass Results: (Grams/Mile) | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **.0087** | **.0032** | **.0055** | **.0120** | **.0297** | **495.0** | | | **185.0** | **20.5556** | **0** | **1.282** |
| Phase: 1B | | | | | | | | | | | | |
| IDLE | .0005 | .0001 | .0007 | .0005 | .0001 | 13.6 | | | 7.2 | .5252 | 0 | |
| ACCEL | .0044 | .0010 | .0043 | .0068 | .1384 | 324.3 | | | 78.2 | 6.7074 | 0 | |
| DECEL | .0038 | .0008 | .0047 | .0033 | .0249 | 36.7 | | | 55.8 | 79.4633 | 0 | |
| TOTAL | .0087 | .0019 | .0097 | .0106 | .1634 | 374.6 | | | 141.2 | | 0 | |
| Phase: 1B Equivalent Mass Results: (Grams/Mile) | | | | | | | | | | | | |
| | **.0175** | **.0037** | **.0194** | **.0211** | **.3266** | **748.5** | | | **141.2** | **13.5843** | **0** | **.500** |
| **Total Equivalent Mass Results:(Grams/Mile)** | | | | | | | | | | | | |
| | **.0047** | **.0017** | **.0049** | **.0098** | **.0394** | **408.6** | **.0362** | **.0083** | **901.1** | **24.8778** | **0** | **8.021** |

**CVS Mass Results: (Grams/Mile)**

| | **HC** | **CO** | **NOX** | **NMHC** | **CO2** | **CH4** | **NMHC+NOX** | **NMOG+NOX** | **HFID** | **Vol.MPG** |
|---|---|---|---|---|---|---|---|---|---|---|
| Phase: 1 | .01157 | .00429 | .13350 | .00000 | 631.826 | .00237 | .1335 | .1335 | 0.00022 | 16.1010 |
| Phase: 2 | .00211 | .00104 | .02036 | .00000 | 362.846 | .00076 | .0204 | .0204 | 0.00000 | 28.0326 |
| **CVS Total Mass Results:(Grams/Mile)** | | | | | | | | | | |
| | **.00421** | **.00176** | **.04551** | **.00000** | **422.632** | **.00112** | **.0455** | **.0455** | **.00005** | **24.0563** |

**Drive Metrics:**

| **CSI** | **RMS** |
|---|---|
| −11.957 | .316 |

**SAE Drive Metrics:**

| | **CED (J)** | **CET (J)** | **ER** | **DistD (M)** | **DistT (M)** | **DistR** | **EER** | **ASCR** | **IWR** | **RMSSE (MPH)** |
|---|---|---|---|---|---|---|---|---|---|---|
| Phase: 1 | 4,255,250 | 4,264,020 | −0.206 | 2,870.4 | 2,852.1 | 0.642 | −0.850 | −0.192 | −0.299 | 0.5690 |
| Phase: 2 | 9,916,830 | 10,127,900 | −2.084 | 10,039.0 | 10,036.8 | 0.021 | −2.150 | −8.893 | −11.574 | 0.3512 |
| **Final:** | | | | | | | | | | |
| | **14,172,100** | **14,392,000** | **−1.528** | **12,909.4** | **12,889.0** | **0.158** | **−1.712** | **−2.947** | **−5.784** | **0.4495** |

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system Date: 01/27/2021 13:04:35

Validator's Comments:

**Test Options:**

| **Option** | **Description** |
|---|---|
| Gain | .650 |
| Constant Grade | .000 |

| | |
|---|---|
| Diesel Regeneration Required | 0 |
| Background Particles for PN | .000 |
| Background Particulates (PM) | .000 |
| MINI DILUTER T/P DILUTION RATIO | 9.000 |
| DHFID Hangup value | .000 |
| Tailpipe Methane Response Factor | 1.066 |
| DHFID Methane Response Factor | 1.083 |
| Bag Methane Response Factor | 1.102 |
| Soak Duration(Hrs) | 21 |
| Threshold | 350 |
| CVS K Coeff | 638.530 |
| Charging Type | CS |
| Trace Start Method | Flying |
| Pre Test Vehicle Temperature | Hot |
| Actual Driver | Human |
| CVS Venturi Selection | Medium |
| DynoGrade Type | None |
| Special Test Qualifications | None |
| OBD II Monitor | None Requested |
| Abort test on dead battery | Y |
| Abort Test on INCA Failure | Y |
| Augmented Braking | Y |
| Cert Mode | Y |
| Diesel Test | Y |
| Hybrid Test | Y |
| Inca Requirement | Y |
| Mule Vehicle to Park | Y |
| Road (Var.) Speed Fan required | Y |
| Rolls Requirement | Y |
| SAE Calculations Required | Y |
| Wrap Cursor | Y |
| Weighted Dilution factor | 15.900 |

**Sequence Purpose**
US06 Emissions
**Engr. SpclInst**
Engineer needs to collect DiagaRA data at the end of drive cycle.
**Req Spcl Inst**
Use 8 ft exhaust pipe and Extra cooling.
**Sampling Type List**
None −− None −− DCVS , Diesel Tailpipe / Particulates − Single
**Test Request Purpose**

T6305PV56 – **REDACTED** – IUVT Consent Decree (2) 16MY 3.0L DSL WK (RL, PREP, FTP75, HFET, US06)

**Informational Report Comments**

ProcLnch − Initialization failure for INCA! Retry?

**The results in this report relate only to this specific test.**