

**EMISSIONS SUMMARY REPORT**

|                       |  |                       |   |
|-----------------------|--|-----------------------|---|
| Vehicle ID:           | <b>T6305PV193 / DAX4387</b>  | Test ID:              | <b>T6305PV193_US2XSP020822020901 / 1111545427</b> |
| Test Req:             | <b>082012220176-4</b>  | Location:             | CHRYSLER TECH CENTER                              |
| Test Type:            | <b>US06(2X) – using Split Bag US06</b>   | Facility:             | <b>Test Cell 8</b>                                |
| Requestor:            | <b>REDACTED</b>  | Shift Sched.:         | AUTO  |
| Driver:               | <b>REDACTED</b>  | Option(s):            | Tailpipe modal & Bag                              |
| Operator:             | <b>REDACTED</b>  | Fuel Type:            | MS10756   |
| Start Odometer:       | 90609  | Fuel Anal.#:          | 11022   |
| AutoLoad File:        | None   | INCA Project File:    | T6305PV193_16MY_30L_DSL_WK.exp                    |
| Cell Temp Set Pt (F): | 75   | Altitude Set Pt(ft.): | 930   |
| Test Segment:         | 3/3  | Vehicle Desc.:        | 0.00 WK BLUE                                      |
| Test Req. Purpose:    | T6305PV193 – LADA – IUVT Consent Decree 16MY 3.0L DSL WK (PREP, FTP75, HFET, US06) |                       |   |
| Seq. Purpose:         | US06 Emissions   |                       |   |

|        | <b>Individual Cycles:(Grams/Mile)</b> |       |       |       |       |       |       |       | <b>Tailpipe:</b> |         |    |       |
|--------|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|------------------|---------|----|-------|
|        | HC                                    | NMHC  | CH4   | CO    | NOX   | CO2   | NO    | NO2   | ExVol            | MPG     | DM | Miles |
| Cycle1 | .0332                                 | .0229 | .0119 | .0088 | .1038 | 665.6 | .0965 | .0224 | 48.9             | 15.2763 |    | .267  |
| Cycle2 | .0205                                 | .0152 | .0060 | .0051 | .1540 | 503.3 | .1538 | .0191 | 135.1            | 20.2270 |    | 1.014 |
| Cycle3 | .0113                                 | .0083 | .0034 | .0041 | .1089 | 377.4 | .1075 | .0147 | 572.2            | 26.9891 |    | 6.228 |
| Cycle4 | .0404                                 | .0242 | .0196 | .0115 | .4258 | 996.7 | .3970 | .0940 | 85.2             | 10.2050 |    | .273  |
| Cycle5 | .0306                                 | .0222 | .0098 | .0093 | .7807 | 963.3 | .7766 | .1200 | 55.4             | 10.5655 |    | .223  |

**Modal Test Results:(Grams)**

|           |  |              |              |              |              |              |              |              |              |                |          |              |
|-----------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|----------|--------------|
| Phase: 1  |  |              |              |              |              |              |              |              |              |                |          |              |
| IDLE      | .0018  | .0011        | .0008        | .0005        | .0004        | 20.5         | .0000        | .0000        | 11.6         | .1984          |          | 0            |
| ACCEL     | .0289  | .0203        | .0107        | .0084        | .3705        | 956.3        | .4030        | .0358        | 194.9        | 8.2120         |          | 0            |
| DECEL     | .0168  | .0117        | .0054        | .0039        | .1039        | 199.2        | .0608        | .0421        | 118.1        | 51.3791        |          | 0            |
| TOTAL     | .0476  | .0331        | .0169        | .0128        | .4747        | 1176.1       | .4638        | .0779        | 324.6        |                |          | 0            |
| Phase: 1  | <u>Equivalent Mass Results: (Grams/Mile)</u> |              |              |              |              |              |              |              |              |                |          |              |
|           | <b>.0268</b>                                 | <b>.0186</b> | <b>.0095</b> | <b>.0072</b> | <b>.2670</b> | <b>661.3</b> | <b>.2608</b> | <b>.0438</b> | <b>324.6</b> | <b>15.3922</b> | <b>0</b> | <b>1.778</b> |
| Phase: 2  |  |              |              |              |              |              |              |              |              |                |          |              |
| IDLE      | .0004  | .0002        | .0002        | .0001        | .0000        | 4.8          | .0000        | .0000        | 2.5          |                |          | 0            |
| ACCEL     | .0294  | .0220        | .0087        | .0104        | .4764        | 1079.2       | .4777        | .0670        | 229.9        | 17.8190        |          | 0            |
| CRUISE    | .0280  | .0208        | .0078        | .0115        | .1659        | 1018.2       | .1630        | .0170        | 240.5        | 30.5554        |          | 0            |
| DECEL     | .0123  | .0084        | .0043        | .0038        | .0359        | 248.0        | .0285        | .0077        | 99.4         | 52.7158        |          | 0            |
| TOTAL     | .0701  | .0514        | .0210        | .0258        | .6783        | 2350.2       | .6692        | .0917        | 572.2        |                |          | 0            |
| Phase: 2  | <u>Equivalent Mass Results: (Grams/Mile)</u> |              |              |              |              |              |              |              |              |                |          |              |
|           | <b>.0113</b>                                 | <b>.0083</b> | <b>.0034</b> | <b>.0041</b> | <b>.1089</b> | <b>377.4</b> | <b>.1075</b> | <b>.0147</b> | <b>572.2</b> | <b>26.9891</b> | <b>0</b> | <b>6.228</b> |
| Phase: 1A |  |              |              |              |              |              |              |              |              |                |          |              |
| IDLE      | .0009  | .0006        | .0004        | .0002        | .0000        | 9.2          |              |              | 4.6          |                |          | 0            |
| ACCEL     | .0184  | .0136        | .0058        | .0052        | .1678        | 581.5        |              |              | 114.0        | 9.8116         |          | 0            |
| DECEL     | .0104  | .0073        | .0032        | .0021        | .0161        | 97.7         |              |              | 65.3         | 74.7978        |          | 0            |

| Total Test Results                                |              |              |              |              |              |              |              |                |              |                |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|----------------|
| Phase: 1A   | .0016        | .0093        | .0076        | .1840        | 688.5        |              | 184.0        |                |              | 0              |
| <u>Equivalent Mass Results: (Grams/Mile)</u>      |              |              |              |              |              |              |              |                |              |                |
|   | <b>.0232</b> | <b>.0168</b> | <b>.0073</b> | <b>.0059</b> | <b>.1436</b> | <b>537.2</b> | <b>184.0</b> | <b>18.9463</b> | <b>0</b>     | <b>1.282</b>   |
| Phase: 1B   |              |              |              |              |              |              |              |                |              |                |
| IDLE  | .0009        | .0005        | .0004        | .0003        | .0003        | 11.3         | 7.0          | .3611          |              | 0              |
| ACCEL   | .0105        | .0067        | .0049        | .0032        | .2026        | 374.8        | 80.8         | 5.7290         |              | 0              |
| DECEL   | .0065        | .0044        | .0022        | .0018        | .0878        | 101.5        | 52.8         | 28.5767        |              | 0              |
| TOTAL   | .0179        | .0116        | .0076        | .0052        | .2908        | 487.6        | 140.6        |                |              | 0              |
| <u>Equivalent Mass Results: (Grams/Mile)</u>      |              |              |              |              |              |              |              |                |              |                |
|   | <b>.0360</b> | <b>.0233</b> | <b>.0152</b> | <b>.0105</b> | <b>.5854</b> | <b>981.7</b> | <b>140.6</b> | <b>10.3610</b> | <b>0</b>     | <b>.497</b>    |
| <b>Total Equivalent Mass Results:(Grams/Mile)</b> |              |              |              |              |              |              |              |                |              |                |
|   | <b>.0147</b> | <b>.0106</b> | <b>.0047</b> | <b>.0048</b> | <b>.1440</b> | <b>440.5</b> | <b>.1415</b> | <b>.0212</b>   | <b>896.9</b> | <b>23.1244</b> |

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

|  | HC            | CO            | NOX           | NMHC          | CO2            | CH4           | NMHC+NOX     | NMOG+NOX     | HFID          | Vol.MPG        |
|--|---------------|---------------|---------------|---------------|----------------|---------------|--------------|--------------|---------------|----------------|
| Phase: 1                                   | .00863        | .00000        | .28009        | .00000        | 644.723        | .00380        | .2801        | .2801        | 0.00229       | 15.7763        |
| Phase: 2                                   | .00087        | .00000        | .11103        | .00000        | 364.828        | .00071        | .1110        | .1110        | 0.00018       | 27.8790        |
| <b>CVS Total Mass Results:(Grams/Mile)</b> |               |               |               |               |                |               |              |              |               |                |
|  | <b>.00259</b> | <b>.00000</b> | <b>.14858</b> | <b>.00000</b> | <b>426.998</b> | <b>.00140</b> | <b>.1486</b> | <b>.1486</b> | <b>.00065</b> | <b>23.8308</b> |

**Drive Metrics:**

| CSI     | RMS  |
|---------|------|
| -17.306 | .413 |

**SAE Drive Metrics:**

|               | CED (J)           | CET (J)           | ER            | DistD (M)       | DistT (M)       | DistR         | EER           | ASCR          | IWR           | RMSSE (MPH)   |
|---------------|-------------------|-------------------|---------------|-----------------|-----------------|---------------|---------------|---------------|---------------|---------------|
| Phase: 1      | 4,249,520         | 4,264,910         | -0.361        | 2,862.6         | 2,852.1         | 0.365         | -0.729        | -1.112        | -0.716        | 0.6595        |
| Phase: 2      | 9,888,400         | 10,128,300        | -2.369        | 10,022.5        | 10,035.6        | -0.131        | -2.292        | -10.466       | -13.834       | 0.5467        |
| <b>Final:</b> | <b>14,137,900</b> | <b>14,393,200</b> | <b>-1.774</b> | <b>12,885.0</b> | <b>12,887.8</b> | <b>-0.021</b> | <b>-1.784</b> | <b>-4.075</b> | <b>-7.100</b> | <b>0.5935</b> |

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system / cmd60 Date: 02/09/2022 14:12:37

Validator's Comments: THIS TEST PASSED ALL VALIDITY CHECKS

## Test Options

## Emission Summary Report

### Test Options:

| <b>Option</b>                    | <b>Description</b> |
|----------------------------------|--------------------|
| Gain                             | .650               |
| Constant Grade                   | .000               |
| Diesel Regeneration Required     | 0                  |
| Background Particles for PN      | .000               |
| Background Particulates (PM)     | .003               |
| MINI DILUTER T/P DILUTION RATIO  | 10.290             |
| DHFID Hangup value               | .000               |
| Tailpipe Methane Response Factor | 1.066              |
| DHFID Methane Response Factor    | 1.089              |
| Bag Methane Response Factor      | 1.102              |
| Soak Duration(Hrs)               | 24                 |
| 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     |
| Cert Mode                        | Y                  |
| Road (Var.) Speed Fan required   | Y                  |
| Rolls Requirement                | Y                  |
| Wrap Cursor                      | Y                  |
| Diesel Test                      | Y                  |
| Augmented Braking                | Y                  |
| Inca Requirement                 | Y                  |
| Abort Test on INCA Failure       | Y                  |
| Abort test on dead battery       | Y                  |
| Hybrid Test                      | Y                  |
| Mule Vehicle to Park             | Y                  |
| SAE Calculations Required        | Y                  |
| Weighted Dilution factor         | 15.750             |

**Sequence Purpose**

US06 Emissions

**Engr. SpclInst**

Engineer needs to collect DiagRA data at the end of the drive cycle.

**Req Spcl Inst**

Use 8 ft exhaust pipe and Extra cooling.

Connect DCAN Cable – Automatically setting ROLLS MODE!

**Sampling Type List**

None — None — DCVS , Diesel Tailpipe / Particulates – Single

**Test Request Purpose**

T6305PV193 – LADA – IUVT Consent Decree 16MY 3.0L DSL WK (PREP, FTP75, HFET, US06)

**Informational Report Comments**

ProcLnch – Initialization failure for INCA! Retry?

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