

EMISSIONS SUMMARY REPORT

| | | | |
|-----------------------|--|------------------------|--|
| Vehicle ID: | T4305PV61 / PA3882 | Test ID: | T4305PV61_US2XSP020822042701 / 1111546039 |
| Test Req: | 082012220604-6 | Location: | CHRYSLER TECH CENTER |
| Test Type: | US06(2X) – using Split Bag US06 | Facility: | Test Cell 8 |
| Requestor: | REDACTED | Shift Sched.: | AUTO |
| Driver: | REDACTED | Option(s): | Tailpipe modal & Bag |
| Operator: | REDACTED | Fuel Type: | MS10756 |
| Start Odometer: | 93686 | Fuel Anal.#: | 11022 |
| AutoLoad File: | None | INCA Project File: | T4305PV61_14MY_DS_Mast.exp |
| Cell Temp Set Pt (F): | 75 | Altitude Set Pt(ft.): | 930 |
| Test Segment: | 3/3 | Vehicle Desc.: | 0.00 DS6H98 Deep Cherr |
| Test Req. Purpose: | T4305PV61 – Mast – IUVT Consent | Decree Witness Testing | 14MY 3.0L DSL DS (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 | .0116 | .0068 | .0077 | .0029 | .0389 | 696.1 | .0368 | .0045 | 53.7 | 14.6196 | | .266 |
| Cycle2 | .0084 | .0049 | .0053 | .0351 | .0929 | 540.7 | .0926 | .0103 | 147.0 | 18.8062 | | 1.015 |
| Cycle3 | .0045 | .0025 | .0031 | .0026 | .0903 | 415.7 | .0904 | .0108 | 605.6 | 24.4602 | | 6.236 |
| Cycle4 | .0173 | .0075 | .0154 | .0057 | .4124 | 1053.6 | .4057 | .0804 | 91.6 | 9.6538 | | .274 |
| Cycle5 | .0133 | .0073 | .0116 | .0046 | 1.1505 | 1030.5 | 1.1804 | .1741 | 62.8 | 9.8790 | | .221 |

Modal Test Results:(Grams)

| | | | | | | | | | | | | |
|-----------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|----------|--------------|
| Phase: 1 | | | | | | | | | | | | |
| IDLE | .0007 | .0003 | .0007 | .0003 | .0008 | 27.0 | .0005 | .0000 | 13.1 | .1130 | | 0 |
| ACCEL | .0132 | .0076 | .0093 | .0372 | .3921 | 1059.2 | .4345 | .0353 | 228.1 | 7.7908 | | 0 |
| DECEL | .0054 | .0026 | .0042 | .0015 | .0791 | 164.4 | .0409 | .0369 | 114.0 | 59.8511 | | 0 |
| TOTAL | .0193 | .0104 | .0142 | .0390 | .4720 | 1250.6 | .4759 | .0722 | 355.1 | | | 0 |
| Phase: 1 | <u>Equivalent Mass Results: (Grams/Mile)</u> | | | | | | | | | | | |
| | .0108 | .0059 | .0080 | .0220 | .2657 | 703.9 | .2679 | .0406 | 355.1 | 14.4529 | 0 | 1.777 |
| Phase: 2 | | | | | | | | | | | | |
| IDLE | .0002 | .0001 | .0002 | .0001 | .0001 | 6.0 | .0000 | .0000 | 2.8 | .1702 | | 0 |
| ACCEL | .0107 | .0060 | .0076 | .0072 | .2940 | 1190.9 | .2992 | .0432 | 254.2 | 16.2031 | | 0 |
| CRUISE | .0122 | .0069 | .0079 | .0066 | .2085 | 1123.8 | .2106 | .0154 | 249.1 | 27.8018 | | 0 |
| DECEL | .0050 | .0028 | .0036 | .0021 | .0602 | 271.5 | .0541 | .0090 | 99.5 | 47.3266 | | 0 |
| TOTAL | .0282 | .0158 | .0193 | .0160 | .5628 | 2592.2 | .5639 | .0676 | 605.6 | | | 0 |
| Phase: 2 | <u>Equivalent Mass Results: (Grams/Mile)</u> | | | | | | | | | | | |
| | .0045 | .0025 | .0031 | .0026 | .0903 | 415.7 | .0904 | .0108 | 605.6 | 24.4602 | 0 | 6.236 |
| Phase: 1A | | | | | | | | | | | | |
| IDLE | .0003 | .0001 | .0003 | .0001 | .0001 | 10.9 | | | 5.5 | .0935 | | 0 |
| ACCEL | .0078 | .0049 | .0048 | .0354 | .0965 | 619.7 | | | 129.5 | 9.1745 | | 0 |
| DECEL | .0034 | .0017 | .0024 | .0009 | .0081 | 103.8 | | | 65.7 | 70.6577 | | 0 |

| Total Test Results | | | | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|---------------|--------------|----------------|--------------|----------------|
| Phase: 1A | .0068 | .0075 | .0364 | .1046 | 734.4 | | 200.7 | | | 0 |
| <u>Equivalent Mass Results: (Grams/Mile)</u> | | | | | | | | | | |
| | .0090 | .0053 | .0058 | .0284 | .0816 | 573.0 | 200.7 | 17.7565 | 0 | 1.282 |
| Phase: 1B | | | | | | | | | | |
| IDLE | .0004 | .0001 | .0004 | .0002 | .0008 | 16.1 | 7.5 | .1261 | | 0 |
| ACCEL | .0054 | .0026 | .0046 | .0017 | .2956 | 439.5 | 98.5 | 5.8378 | | 0 |
| DECEL | .0019 | .0009 | .0018 | .0006 | .0710 | 60.6 | 48.3 | 40.6992 | | 0 |
| TOTAL | .0077 | .0037 | .0068 | .0026 | .3673 | 516.2 | 154.4 | | | 0 |
| <u>Equivalent Mass Results: (Grams/Mile)</u> | | | | | | | | | | |
| | .0155 | .0074 | .0137 | .0052 | .7424 | 1043.2 | 154.4 | 9.7557 | 0 | .495 |
| Total Equivalent Mass Results:(Grams/Mile) | | | | | | | | | | |
| | .0059 | .0033 | .0042 | .0069 | .1292 | 479.6 | .1298 | .0174 | 960.7 | 21.1981 |
| | | | | | | | | | 0 | 8.012 |

CVS Mass Results: (Grams/Mile)

| | HC | CO | NOX | NMHC | CO2 | CH4 | NMHC+NOX | NMOG+NOX | HFID | Vol.MPG |
|--|---------------|---------------|---------------|---------------|----------------|---------------|--------------|--------------|---------------|----------------|
| Phase: 1 | .00479 | .01631 | .27956 | .00306 | 682.844 | .00409 | .2826 | .2826 | 0.00696 | 14.8975 |
| Phase: 2 | .00157 | .00000 | .09163 | .00148 | 402.729 | .00170 | .0931 | .0931 | 0.00310 | 25.2496 |
| CVS Total Mass Results:(Grams/Mile) | | | | | | | | | | |
| | .00228 | .00362 | .13330 | .00183 | 464.841 | .00223 | .1351 | .1351 | .00396 | 21.8829 |

Drive Metrics:

| CSI | RMS |
|---------|------|
| -14.136 | .355 |

SAE Drive Metrics:

| | CED (J) | CET (J) | ER | DistD (M) | DistT (M) | DistR | EER | ASCR | IWR | RMSSE (MPH) |
|---------------|-------------------|-------------------|---------------|-----------------|-----------------|--------------|---------------|---------------|---------------|---------------|
| Phase: 1 | 4,579,450 | 4,605,000 | -0.555 | 2,859.4 | 2,852.1 | 0.257 | -0.816 | -0.760 | -0.682 | 0.6646 |
| Phase: 2 | 10,734,000 | 10,945,100 | -1.929 | 10,035.0 | 10,035.6 | -0.006 | -1.961 | -10.142 | -13.472 | 0.3721 |
| Final: | 15,313,400 | 15,550,100 | -1.522 | 12,894.5 | 12,887.7 | 0.052 | -1.599 | -3.732 | -6.907 | 0.5074 |

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / mh1294 Date: 04/28/2022 08:45:50

Validator's Comments: THIS TEST PASSED ALL VALIDITY CHECKS

Test Options

Emission Summary Report

Test Options:

| Option | Description |
|----------------------------------|----------------|
| DHFID Hangup value | .000 |
| Gain | .650 |
| Constant Grade | .000 |
| Diesel Regeneration Required | 0 |
| Background Particles for PN | .000 |
| Background Particulates (PM) | .004 |
| MINI DILUTER T/P DILUTION RATIO | 10.350 |
| 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 | 14.930 |

Test Comments

Emission Summary Report

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.

Sampling Type List

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

Test Request Purpose

T4305PV61 – Mast – IUVT Consent Decree Witness Testing 14MY 3.0L DSL DS (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.