

EMISSIONS SUMMARY REPORT

Vehicle ID: **T4305PV55 / FGD8980** Test ID: **T4305PV55_EPA75_011620031801 / 578863016**
 Test Req: **082011200468-4** Location: **CHELSEA PROVING GROUNDS (Chrysler LLC)**
 Test Type: **EPA75** Facility: **Test Cell 16** Start Time: **03/18/2020 11:58:52**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **03/18/2020 12:39:20**
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: (lbs) **5500**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **23.60**
 Start Odometer: **87827** Fuel Anal.#: **10854** Road Load Coeff B: **.2534**
 AutoLoad File: **None** INCA Project File: **null** Road Load Coeff C: **0.02717**
 Cell Temp Set Pt: **75** Altitude Set Pt(ft.): **0** Hum. Set Pt (Grains): **50.00**
 Test Segment: **1/1** Vehicle Desc.: **0.00 WKJP74 Brilliant** Emissions Standard: **EPA**
 Test Req. Purpose: **14MY-T03.05PV CERT - IUVT Consent Decree (RL, Prep, EPA75, HWY, US06) 3.0L WK A8 - Fed - MS10756 - BIN5**
 Seq. Purpose: **IUVP - EPA75**

Individual Cycles:(Grams/Mile)		Tailpipe:										
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Time-63	.2293	.0000	.0000	9.6807	.4118	760.4	.0000	.4118	42.5	13.1142		.208
Cycle1	.6668	.0000	.0000	7.1986	.2789	600.4	.0000	.2789	91.7	16.5884		.674
Cycle2	.1177	.0000	.0000	.0258	.1319	413.5	.0000	.1319	167.1	24.6137		1.961
Cycle11	.1500	.0000	.0000	.0097	.0004	288.4	.0000	.0004	87.8	35.2725		1.360
Cycle19	.2806	.0000	.0000	.3937	.0052	400.4	.0000	.0052	60.7	25.3443		.673

Modal Test Results:(Grams)

Phase: 1

IDLE	.0420	.0000	.0000	.2030	.0204	69.5	.0000	.0204	30.9	146.5254		0
ACCEL	.1271	.0000	.0000	1.2321	.2147	712.7	.0000	.2147	143.1	14.2252		0
CRUISE	.4228	.0000	.0000	2.6623	.1382	677.1	.0000	.1382	136.5	14.9092		0
DECEL	.1118	.0000	.0000	.8240	.0762	208.5	.0000	.0762	78.5	48.5386		0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.1	.0000		0
TOTAL	.7036	.0000	.0000	4.9214	.4495	1667.7	.0000	.4495	389.1			0

Phase: 1 Equivalent Mass Results: (Grams/Mile)
.1957 .0000 .0000 1.3686 .1250 463.8 .0000 .1250 389.1 21.8003 0 3.596

Phase: 2

IDLE	.0058	.0000	.0000	.0043	.0002	64.1	.0000	.0002	35.7	158.9500		0
ACCEL	.1350	.0000	.0000	.0246	.0013	790.3	.0000	.0013	177.8	12.8733		0
CRUISE	.1635	.0000	.0000	.0163	.0008	484.1	.0000	.0008	113.3	21.0006		0
DECEL	.0446	.0000	.0000	.0111	.0005	215.0	.0000	.0005	81.9	47.2946		0
TOTAL	.3488	.0000	.0000	.0564	.0027	1553.6	.0000	.0027	408.7			0

Phase: 2 Equivalent Mass Results: (Grams/Mile)
.0901 .0000 .0000 .0146 .0007 401.4 .0000 .0007 408.7 25.3571 0 3.871

Phase: 3

IDLE	.0042	.0000	.0000	.0023	.0001	44.3	.0000	.0001	24.0	.0000		0
ACCEL	.1055	.0000	.0000	.1398	.0227	598.8	.0000	.0227	123.2	16.9723		0

Modal Test Results										
WHEEL	.0000	.0000	.0350	.0059	530.4	.0000	.0059	112.3	19.1836	0
DECEL	.0624	.0000	.0000	.1260	.0019	181.6	.0000	.0019	83.0	55.7882
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.0	.0000
TOTAL	.2924	.0000	.0000	.3031	.0305	1355.0	.0000	.0305	342.5	0
Phase: 3 Equivalent Mass Results: (Grams/Mile)										
	.0813	.0000	.0000	.0843	.0085	376.7	.0000	.0085	342.5	26.9642
Weighted Total Equivalent Mass Results:(Grams/Mile)										
	.1096	.0000	.0000	.3141	.0286	407.5	.0000	.0286	1140.3	24.8897

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.19715	1.35397	.12816	.15176	461.514	.05423		.2799	0.19897
Phase: 2	.08804	.00134	.00003	.00990	398.720	.08368		.0099	0.08247
Phase: 3	.08478	.06066	.00939	.01580	373.870	.07736		.0252	0.08285
CVS Weighted Mass Results:(Grams/Mile)									
	.10974	.29774	.02914	.04090	404.901	.07585		.0700	.10670

Drive Metrics:

CSI	RMS
-3.314	.217

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,533,670	4,555,840	-0.487	5,785.2	5,779.4	0.099	-0.589	-1.293	-1.684	0.2712
Phase: 2	4,209,300	4,207,890	0.034	6,229.2	6,211.2	0.289	-0.256	-0.380	-0.193	0.2142
Phase: 3	4,556,780	4,556,040	0.016	5,789.3	5,779.4	0.172	-0.155	-0.954	-1.356	0.2380
Final (Weighted):										
	8,756,140	8,763,840	-0.088	12,016.8	11,990.7	0.218	-0.306	-0.788	-0.809	0.2090

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 03/18/2020 12:54:16

Validator's Comments:

Test Options:

Option	Description
Gain	.650
Constant Grade	.000
Background Particles	.000

Test Options

Emission Summary Report

Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	8.150
Weighted Dilution factor	21.780
DHFID Hangup value	.000
Bag Methane Response Factor	1.000
DHFID Methane Response Factor	1.000
Tailpipe Methane Response Factor	1.000
Soak Duration(Hrs)	23
Threshold	350
CVS K Coeff	426.213
Pre Test Vehicle Temperature	Cold
Trace Start Method	Crank (Pendant)
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
DbW Available	Y
Diesel Test	Y
Mule Vehicle to Park	Y
Rolls Requirement	Y
SAE Calculations Required	Y
WLTP Fan Required	Y

Sequence Purpose

IUVP – EPA75

Engr. SpclInst

Engineer to take vehicle scans before and after each sequence

System Comments

03/18/2020 12:15:03: Reported Bag NMHC is calculated, not from analyzer

Sampling Type List

DCVS , Diesel Tailpipe / Particulates – Multiple

Test Request Purpose

14MY–T03.05PV CERT – IUVT Consent Decree (RL, Prep, EPA75, HWY, US06) 3.0L WK A8 – Fed – MS10756 – BIN5

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