

EMISSIONS SUMMARY REPORT

Vehicle ID:	T6305PV53 / 2MT33	Test ID:	T6305PV53_US2XSP011620032001 / 578863044		
Test Req:	082011200477-6	Location:	CHELSEA PROVING GROUNDS (Chrysler LLC)		
Test Type:	US06(2X) – using Split Bag US06	Facility:	Test Cell 16	Start Time:	03/20/2020 10:23:21
Requestor:	REDACTED	Shift Sched.:	AUTO	Trace End:	03/20/2020 10:44:52
Driver:	REDACTED	Option(s):	Tailpipe modal & Bag	Inertia Weight: (lbs)	5500
Operator:	REDACTED	Fuel Type:	MS10756	Road Load Coeff A:	22.73
Start Odometer:	70763	Fuel Anal.#:	10854	Road Load Coeff B:	-.0211
AutoLoad File:	None	INCA Project File:	null	Road Load Coeff C:	0.03158
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	0	Hum. Set Pt (Grains):	50.00
Test Segment:	3/3	Vehicle Desc.:	0.00 WKJP74 Brilliant	Emissions Standard:	EPA
Test Req. Purpose:	16MY-T03.05PV CERT – IUVT Consent Decree (RL, Prep, EPA75, HWY, US06) 3.0L WK A8 – Fed – MS10756 – BIN5				
Seq. Purpose:	IUVP – US06				

	Individual Cycles:(Grams/Mile)					Tailpipe:						
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0093	.0000	.0000	.0294	.1039	597.9	.0000	.1039	44.7	17.0143		.265
Cycle2	.0047	.0000	.0000	.0172	.1471	449.7	.0000	.1471	121.8	22.6106		1.018
Cycle3	.0029	.0000	.0000	.0161	.0889	351.0	.0000	.0889	518.6	28.9876		6.237
Cycle4	.0162	.0000	.0000	.0471	.2509	856.6	.0000	.2509	71.6	11.8720		.270
Cycle5	.0114	.0000	.0000	.0396	.5039	797.9	.0000	.5039	49.7	12.7501		.225

Modal Test Results:(Grams)

Phase: 1												
IDLE	.0006	.0000	.0000	.0015	.0006	8.9	.0000	.0006	10.7	.5683		0
ACCEL	.0085	.0000	.0000	.0280	.2382	786.7	.0000	.2382	167.2	10.0146		0
DECEL	.0052	.0000	.0000	.0174	.1195	231.2	.0000	.1195	110.0	44.0422		0
TOTAL	.0142	.0000	.0000	.0469	.3583	1026.9	.0000	.3583	287.8			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0080	.0000	.0000	.0264	.2016	577.7	.0000	.2016	287.8	17.6030	0	1.778
Phase: 2												
IDLE	.0001	.0000	.0000	.0003	.0000	2.1	.0000	.0000	2.2	.4816		0
ACCEL	.0060	.0000	.0000	.0375	.3073	975.5	.0000	.3073	201.3	19.7957		0
CRUISE	.0080	.0000	.0000	.0454	.1902	962.5	.0000	.1902	222.8	32.3016		0
DECEL	.0042	.0000	.0000	.0171	.0566	249.0	.0000	.0566	92.3	52.4459		0
TOTAL	.0183	.0000	.0000	.1004	.5543	2189.1	.0000	.5543	518.6			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0029	.0000	.0000	.0161	.0889	351.0	.0000	.0889	518.6	28.9876	0	6.237
Phase: 1A												
IDLE	.0003	.0000	.0000	.0006	.0001	4.7			4.3	.0000		0
ACCEL	.0042	.0000	.0000	.0158	.1441	507.2			101.2	11.2805		0
DECEL	.0028	.0000	.0000	.0088	.0330	104.3			61.1	70.1644		0
TOTAL	.0073	.0000	.0000	.0253	.1772	616.2			166.5			0
Phase: 1A	<u>Equivalent Mass Results: (Grams/Mile)</u>											

Modal Test Results										
Phase: 1B										
IDLE	.0003	.0000	.0000	.0009	.0006	4.3		6.4	1.1954	0
ACCEL	.0042	.0000	.0000	.0122	.0941	279.6		66.0	7.7139	0
DECEL	.0024	.0000	.0000	.0086	.0864	126.9		48.9	22.6596	0
TOTAL	.0069	.0000	.0000	.0216	.1811	410.7		121.3		0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0140	.0000	.0000	.0437	.3659	829.9		121.3	12.2584	0 .495
Total Equivalent Mass Results: (Grams/Mile)										
	.0041	.0000	.0000	.0184	.1139	401.3	.0000	.1139	806.4	25.3733 0 8.015

CVS Mass Results: (Grams/Mile)										
	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00418	.00367	.23623	.00137	613.241	.00450	.2376	.2376	0.00527	16.5996
Phase: 2	.00066	.00185	.09420	.00103	356.826	.00078	.0952	.0952	0.00170	28.5032
CVS Total Mass Results: (Grams/Mile)										
	.00144	.00225	.12570	.00110	413.698	.00160	.1268	.1268	.00249	24.5789

Drive Metrics:	
CSI	RMS
-19.137	.309

SAE Drive Metrics:										
	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,227,690	4,264,940	-0.873	2,860.4	2,852.2	0.286	-1.170	-1.506	-1.596	0.5382
Phase: 2	9,964,520	10,131,100	-1.644	10,037.4	10,035.9	0.015	-1.687	-7.198	-9.403	0.3613
Final:	14,192,200	14,396,000	-1.416	12,897.8	12,888.1	0.075	-1.512	-3.310	-5.397	0.4393

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 03/20/2020 11:11:06
 Validator's Comments:

Test Options:	
Option	Description
DHFID Hangup value	.010
Gain	.650
Constant Grade	.000

Test Options

Emission Summary Report

Background Particles	.000
Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	8.380
Weighted Dilution factor	15.430
Bag Methane Response Factor	1.000
DHFID Methane Response Factor	1.000
Tailpipe Methane Response Factor	1.000
Soak Duration(Hrs)	21
Threshold	350
CVS K Coeff	620.417
Charging Type	CS
Trace Start Method	Flying
CVS Venturi Selection	High
Pre Test Vehicle Temperature	Hot
Actual Driver	Human
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
Mule Vehicle to Park	Y
Rolls Requirement	Y
SAE Calculations Required	Y
WLTP Fan Required	Y
Wrap Cursor	Y

Sequence Purpose

IUVP – US06

Engr. SpclInst

Engineer to take vehicle scan before and after each sequence

Req Spcl Inst

Use 8 ft exhaust pipe and Extra cooling.

System Comments

03/20/2020 10:50:52: Reported Bag NMHC is calculated, not from analyzer

Sampling Type List

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

Test Request Purpose

16MY–T03.05PV CERT – IUVT Consent Decree (RL, Prep, EPA75, HWY, US06) 3.0L WK A8 – Fed – MS10756 – BIN5

Test Comments

Emission Summary Report

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