

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>T6305PV55 / ESY354</b>	Test ID:	<b>T6305PV55_US2XSP011120050801 / 576255815</b>		
Test Req:	<b>082011200556-6</b>	Location:	CHELSEA PROVING GROUNDS (Chrysler LLC)		
Test Type:	<b>US06(2X) – using Split Bag US06</b>	Facility:	<b>Test Cell 11</b>	Start Time:	<b>05/08/2020 10:48:04</b>
Requestor:	<b>REDACTED</b>	Shift Sched.:	AUTO	Trace End:	<b>05/08/2020 11:09:35</b>
Driver:	<b>REDACTED</b>	Option(s):	Tailpipe modal & Bag	Inertia Weight: (lbs)	6000
Operator:	<b>REDACTED</b>	Fuel Type:	MS10756	Road Load Coeff A:	15.69
Start Odometer:	91522	Fuel Anal.#:	10854	Road Load Coeff B:	.1348
AutoLoad File:	None	INCA Project File:	null	Road Load Coeff C:	0.03445
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	0	Hum. Set Pt (Grains):	50.00
Test Segment:	3/3	Vehicle Desc.:	0.00 DS6H91 Dk. Garnet	Emissions Standard:	EPA
Test Req. Purpose:	16MY-T03.05PV CERT – IUVT Consent Decree (RL, Prep, EPA75, HWY, US06) 3.0L DS A8 – Fed – MS10756 – BIN5				
Seq. Purpose:	IUVF – US06				

	<b>Individual Cycles:(Grams/Mile)</b>					<b>Tailpipe:</b>						
	<b>HC</b>	<b>NMHC</b>	<b>CH4</b>	<b>CO</b>	<b>NOX</b>	<b>CO2</b>	<b>NO</b>	<b>NO2</b>	<b>ExVol</b>	<b>MPG</b>	<b>DM</b>	<b>Miles</b>
Cycle1	.0021	.0001	.0109	.0006	.0235	624.2	.0211	.0015	53.6	16.3072		.265
Cycle2	.0006	.0001	.0060	.0002	.0583	501.9	.0570	.0049	146.1	20.2704		1.024
Cycle3	.0009	.0001	.0044	.0012	.0361	395.1	.0356	.0027	614.2	25.7614		6.239
Cycle4	.0054	.0007	.0185	.0045	.1397	739.4	.1227	.0242	91.4	13.7694		.272
Cycle5	.0031	.0002	.0114	.0018	.4611	859.3	.4505	.0521	59.6	11.8460		.226

<b>Modal Test Results:(Grams)</b>												
Phase: 1												
IDLE	.0003	.0000	.0010	.0006	.0005	25.8	.0004	.0000	13.8	.1576		0
ACCEL	.0015	.0002	.0087	.0012	.1807	905.5	.1809	.0159	211.9	8.8331		0
DECEL	.0015	.0002	.0070	.0002	.0271	143.8	.0180	.0079	124.9	70.6623		0
TOTAL	.0033	.0004	.0167	.0020	.2084	1075.1	.1993	.0238	350.6			0

Phase: 1 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	<b>.0018</b>	<b>.0002</b>	<b>.0093</b>	<b>.0011</b>	<b>.1166</b>	<b>601.5</b>	<b>.1115</b>	<b>.0133</b>	<b>350.6</b>	<b>16.9032</b>	<b>0</b>	<b>1.787</b>

Phase: 2												
IDLE	.0000	.0000	.0002	.0001	.0001	6.1	.0001	.0000	2.9	.1660		0
ACCEL	.0019	.0005	.0093	.0006	.1019	1100.4	.1011	.0086	248.3	17.6051		0
CRUISE	.0022	.0003	.0121	.0055	.0971	1094.6	.0969	.0060	259.8	28.4238		0
DECEL	.0013	.0001	.0061	.0015	.0260	264.2	.0242	.0025	103.0	49.3964		0
TOTAL	.0054	.0008	.0277	.0078	.2251	2465.3	.2223	.0171	614.2			0

Phase: 2 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	<b>.0009</b>	<b>.0001</b>	<b>.0044</b>	<b>.0012</b>	<b>.0361</b>	<b>395.1</b>	<b>.0356</b>	<b>.0027</b>	<b>614.2</b>	<b>25.7614</b>	<b>0</b>	<b>6.239</b>

Phase: 1A												
IDLE	.0001	.0000	.0004	.0001	.0001	10.7			5.6	.0000		0
ACCEL	.0006	.0001	.0050	.0002	.0622	588.0			128.2	9.8698		0
DECEL	.0004	.0000	.0036	.0000	.0037	80.5			65.9	90.8530		0
TOTAL	.0011	.0001	.0090	.0003	.0659	679.3			199.6			0

Phase: 1A Equivalent Mass Results: (Grams/Mile)

Modal Test Results										
Phase: 1B	.0001	.0070	.0003	.0512	527.1		199.6	19.3088	0	1.289
IDLE	.0002	.0000	.0006	.0005	15.1		8.3	.2695	0	
ACCEL	.0008	.0001	.0036	.0010	.1185	317.5	83.7	6.9082	0	
DECEL	.0012	.0001	.0034	.0002	.0235	63.2	59.0	45.4252	0	
TOTAL	.0022	.0003	.0076	.0017	.1424	395.8	151.0		0	
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0043	.0005	.0153	.0033	.2856	793.9	151.0	12.8157	0	.499
Total Equivalent Mass Results:(Grams/Mile)										
	.0011	.0001	.0055	.0012	.0540	441.1	.0525	.0051	964.8	23.0743

CVS Mass Results: (Grams/Mile)										
	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.01407	.00000	.12219	.00423	677.611	.01105	.1264	.1264	0.01471	15.0075
Phase: 2	.00150	.00000	.03636	.00054	397.680	.00131	.0369	.0369	0.00179	25.5670
CVS Total Mass Results:(Grams/Mile)										
	.00430	.00000	.05547	.00137	460.018	.00348	.0568	.0568	.00466	22.1206

Drive Metrics:	
CSI	RMS
-16.503	.431

SAE Drive Metrics:										
	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,633,070	4,640,420	-0.158	2,877.0	2,852.2	0.871	-1.031	-0.989	-1.249	0.7952
Phase: 2	10,945,300	11,123,700	-1.604	10,040.5	10,035.8	0.047	-1.677	-7.037	-9.235	0.4759
<b>Final:</b>	<b>15,578,400</b>	<b>15,764,100</b>	<b>-1.178</b>	<b>12,917.5</b>	<b>12,888.0</b>	<b>0.229</b>	<b>-1.424</b>	<b>-2.905</b>	<b>-5.137</b>	<b>0.6211</b>

**Test Validation:** Valid:    Invalid:    Retest:    Accept:    NIC: system    Date: 05/08/2020 11:34:51  
 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	9.590
DHFID Hangup value	.000
Tailpipe Methane Response Factor	1.022
DHFID Methane Response Factor	1.087
Bag Methane Response Factor	1.097
Soak Duration(Hrs)	23
Threshold	350
CVS K Coeff	507.490
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
Weighted Dilution factor	11.690

### Sequence Purpose

IUVP – US06

### Engr. SpclInst

Engineer to take vehicle scans prior to and after each sequence

### Req Spcl Inst

Use 8 ft exhaust pipe and Extra cooling.

### 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 DS A8 – Fed – MS10756 – BIN5

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