

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>T5305PV63 / FCY9757</b>	Test ID:	<b>T5305PV63_US2XSP011620030301 / 578862804</b>		
Test Req:	<b>082011200369-2</b>	Location:	CHELSEA PROVING GROUNDS (Chrysler LLC)		
Test Type:	<b>US06(2X) – using Split Bag US06</b>	Facility:	<b>Test Cell 16</b>	Start Time:	<b>03/03/2020 10:27:32</b>
Requestor:	<b>REDACTED</b>	Shift Sched.:	AUTO	Trace End:	<b>03/03/2020 10:49:03</b>
Driver:	<b>REDACTED</b>	Option(s):	Tailpipe modal & Bag	Inertia Weight: (lbs)	5500
Operator:	<b>REDACTED</b>	Fuel Type:	MS10756	Road Load Coeff A:	21.54
Start Odometer:	69664	Fuel Anal.#:	10854	Road Load Coeff B:	.1523
AutoLoad File:	None	INCA Project File:	null	Road Load Coeff C:	0.02822
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	0	Hum. Set Pt (Grains):	50.00
Test Segment:	3/3	Vehicle Desc.:	0.00 WKJT74 Brilliant	Emissions Standard:	EPA
Test Req. Purpose:	15MY-T03.05PV CERT – IUVT Consent Decree (RL, US06) Retest 3.0L WK A8 – Fed – MS10756 – BIN5				
Seq. Purpose:	IUVF – US06 (retest)				

	<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	.0075	.0000	.0000	.0263	.0181	594.8	.0000	.0181	42.8	17.1002		.265
Cycle2	.0044	.0000	.0000	.0157	.0335	445.5	.0000	.0335	118.4	22.8648		1.022
Cycle3	.0025	.0000	.0000	.0119	.0238	347.4	.0000	.0238	505.1	29.3230		6.241
Cycle4	.0151	.0000	.0000	.0380	.0722	835.6	.0000	.0722	69.5	12.1704		.269
Cycle5	.0089	.0000	.0000	.0278	.2048	786.9	.0000	.2048	47.1	12.9286		.224

**Modal Test Results:(Grams)**

Phase: 1

IDLE	.0006	.0000	.0000	.0012	.0001	9.3	.0000	.0001	10.6	.6532		0
ACCEL	.0072	.0000	.0000	.0231	.0593	752.5	.0000	.0593	159.3	10.5332		0
DECEL	.0048	.0000	.0000	.0152	.0450	252.8	.0000	.0450	108.0	40.3727		0
TOTAL	.0125	.0000	.0000	.0395	.1044	1014.6	.0000	.1044	277.9			0

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

	<b>.0070</b>	<b>.0000</b>	<b>.0000</b>	<b>.0222</b>	<b>.0586</b>	<b>569.6</b>	<b>.0000</b>	<b>.0586</b>	<b>277.9</b>	<b>17.8506</b>	<b>0</b>	<b>1.781</b>
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Phase: 2

IDLE	.0001	.0000	.0000	.0002	.0000	2.2	.0000	.0000	2.3	.0000		0
ACCEL	.0055	.0000	.0000	.0293	.0795	961.0	.0000	.0795	192.3	20.1485		0
CRUISE	.0066	.0000	.0000	.0318	.0516	950.6	.0000	.0516	219.2	32.7174		0
DECEL	.0036	.0000	.0000	.0131	.0175	254.2	.0000	.0175	91.2	51.3865		0
TOTAL	.0159	.0000	.0000	.0744	.1487	2167.9	.0000	.1487	505.1			0

Phase: 2 Equivalent Mass Results: (Grams/Mile)

	<b>.0025</b>	<b>.0000</b>	<b>.0000</b>	<b>.0119</b>	<b>.0238</b>	<b>347.4</b>	<b>.0000</b>	<b>.0238</b>	<b>505.1</b>	<b>29.3230</b>	<b>0</b>	<b>6.241</b>
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Phase: 1A

IDLE	.0003	.0000	.0000	.0005	.0000	4.9			4.3	.2083		0
ACCEL	.0035	.0000	.0000	.0141	.0301	493.9			96.8	11.6957		0
DECEL	.0027	.0000	.0000	.0084	.0089	114.5			60.2	63.9875		0
TOTAL	.0065	.0000	.0000	.0230	.0391	613.3			161.3			0

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

Modal Test Results										
Phase: 1B										
IDLE	.0003	.0000	.0000	.0006	.0001	4.5		6.4	1.1405	0
ACCEL	.0036	.0000	.0000	.0090	.0292	258.5		62.5	8.3196	0
DECEL	.0021	.0000	.0000	.0068	.0361	138.3		47.7	20.7224	0
TOTAL	.0061	.0000	.0000	.0165	.0654	401.3		116.6		0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0123	.0000	.0000	.0334	.1325	813.4		116.6	12.5151	0 .493
Total Equivalent Mass Results: (Grams/Mile)										
	.0035	.0000	.0000	.0142	.0316	396.7	.0000	.0316	782.9	25.6300 0 8.022

CVS Mass Results: (Grams/Mile)										
	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00243	.00259	.07274	.00000	612.317	.00443	.0727	.0727	0.00000	16.6272
Phase: 2	.00074	.00102	.02646	.00061	349.713	.00077	.0271	.0271	0.00128	29.0735
CVS Total Mass Results: (Grams/Mile)										
	.00112	.00137	.03674	.00048	408.022	.00158	.0372	.0372	.00099	24.9406

Drive Metrics:	
CSI	RMS
-20.578	.369

SAE Drive Metrics:										
	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,251,960	4,288,180	-0.845	2,867.7	2,852.2	0.543	-1.399	-1.244	-1.543	0.7328
Phase: 2	9,997,800	10,165,600	-1.651	10,042.9	10,035.9	0.069	-1.749	-8.908	-11.611	0.3338
<b>Final:</b>	<b>14,249,800</b>	<b>14,453,800</b>	<b>-1.412</b>	<b>12,910.6</b>	<b>12,888.2</b>	<b>0.174</b>	<b>-1.608</b>	<b>-3.673</b>	<b>-6.445</b>	<b>0.5278</b>

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system / su48 Date: 03/03/2020 12:12:08  
 Validator's Comments: THIS TEST PASSED ALL VALIDITY CHECKS

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	9.370
Weighted Dilution factor	15.340
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)	263
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 (retest)

### Engr. SpclInst

Engineer to perform vehicle scans and record INCA data during test sequence

### Req Spcl Inst

Use 8 ft exhaust pipe and Extra cooling.

### System Comments

03/03/2020 10:55:02: Reported Bag NMHC is calculated, not from analyzer

### Sampling Type List

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

### Test Request Purpose

15MY–T03.05PV CERT – IUVT Consent Decree (RL, US06) Retest 3.0L WK A8 – Fed – MS10756 – BIN5

## Test Comments

## Emission Summary Report

### Informational Report Comments

ProcLnch – Initialization failure for HCVSInit! Retry?

ProcLnch – Initialization failure for HCVSInit – Diesel! Retry?

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