

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>X5XXX2254 / 043M193</b>	Test ID:	<b>X5XXX2254_US2XSP020719060601 / 1111011472</b>
Test Req:	<b>082012190636-6</b>	Location:	CHRYSLER TECH CENTER
Test Type:	<b>US06(2X) – using Split Bag US06</b>	Facility:	<b>Test Cell 7</b>
Requestor:	<b>REDACTED</b>	Shift Sched.:	AUTO
Driver:	<b>REDACTED</b>	Option(s):	Tailpipe modal & Bag
Operator:	<b>REDACTED</b>	Fuel Type:	MS10756
Start Odometer:	73030	Fuel Anal.#:	10762
AutoLoad File:	None	INCA Project File:	X5XXX2254_WorkSpace.exp
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 1500 RAM BROWN
		Start Time:	<b>06/06/2019 17:03:15</b>
		Trace End:	<b>06/06/2019 17:24:47</b>
		Inertia Weight:	6000
		Road Load Coeff A:	-3.8800
		Road Load Coeff B:	.2803
		Road Load Coeff C:	0.03172
		Hum. Set Pt (Grains):	50.00
		Emissions Standard:	Fed. BIN 5

Test Req. Purpose: Emissions baseline after application of AEM and 1000miles accumulated on MA.

Seq. Purpose: MY15 DS Baseline with AEM applied

	<b>Individual Cycles:(Grams/Mile)</b>										<b>Tailpipe:</b>	
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0144	.0019	.0171	.0227	.0229	662.6	.0189	.0079	50.4	15.3464		.265
Cycle2	.0058	.0019	.0058	.0197	.0531	527.1	.0502	.0077	148.9	19.3071		1.014
Cycle3	.0036	.0011	.0037	.0125	.0385	393.8	.0349	.0089	598.6	25.8251		6.228
Cycle4	.0193	.0034	.0261	.0299	.1603	840.7	.1344	.0405	89.4	12.0981		.266
Cycle5	.0190	.0105	.0095	.0436	.7937	926.6	.7746	.1664	61.6	10.9757		.225

**Modal Test Results:(Grams)**

Phase: 1												
IDLE	.0008	.0001	.0009	.0009	.0005	23.8	.0000	.0000	12.3	.3414		0
ACCEL	.0122	.0041	.0120	.0338	.2380	992.2	.2462	.0361	207.1	7.9182		0
DECEL	.0060	.0015	.0067	.0090	.0431	127.0	.0201	.0221	131.0	80.1027		0
TOTAL	.0191	.0057	.0195	.0438	.2816	1143.0	.2663	.0582	350.3			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0108</b>	<b>.0032</b>	<b>.0110</b>	<b>.0247</b>	<b>.1590</b>	<b>645.4</b>	<b>.1504</b>	<b>.0329</b>	<b>350.3</b>	<b>15.7748</b>	<b>0</b>	<b>1.771</b>
Phase: 2												
IDLE	.0002	.0000	.0002	.0002	.0000	4.9	.0000	.0000	2.6	.0000		0
ACCEL	.0098	.0041	.0084	.0394	.1962	1149.9	.1797	.0498	243.1	16.7353		0
CRUISE	.0079	.0020	.0095	.0306	.0313	1059.8	.0282	.0040	250.2	29.3230		0
DECEL	.0044	.0009	.0048	.0077	.0122	238.3	.0094	.0018	102.7	54.7013		0
TOTAL	.0223	.0071	.0229	.0779	.2398	2452.9	.2173	.0556	598.6			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0036</b>	<b>.0011</b>	<b>.0037</b>	<b>.0125</b>	<b>.0385</b>	<b>393.8</b>	<b>.0349</b>	<b>.0089</b>	<b>598.6</b>	<b>25.8251</b>	<b>0</b>	<b>6.228</b>
Phase: 1A												
IDLE	.0004	.0000	.0004	.0004	.0000	10.4			5.0	.0000		0
ACCEL	.0067	.0019	.0065	.0210	.0575	624.4			124.4	9.1583		0
DECEL	.0027	.0005	.0036	.0046	.0024	75.4			70.0	96.8864		0
TOTAL	.0097	.0024	.0104	.0260	.0600	710.2			199.3			0
Phase: 1A	<u>Equivalent Mass Results: (Grams/Mile)</u>											

Modal Test Results										
Phase: 1B										
IDLE	.0005	.0001	.0005	.0005	.0004	13.5		7.3	.6044	0
ACCEL	.0056	.0021	.0055	.0128	.1804	367.8		82.6	5.8108	0
DECEL	.0034	.0010	.0031	.0045	.0408	51.5		61.0	55.2825	0
TOTAL	.0094	.0033	.0091	.0178	.2216	432.8		151.0		0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0191	.0066	.0185	.0362	.4506	880.1		151.0	11.5618	0 .492
Total Equivalent Mass Results:(Grams/Mile)										
	.0052	.0016	.0053	.0152	.0652	449.5	.0605	.0142	948.9	22.6106 0 7.999

CVS Mass Results: (Grams/Mile)										
	HC	CO	NOX	CO2	NMHC	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.01049	.00877	.16566	701.284	.00058	.00850	.1662	.16623	0.00853	14.5152
Phase: 2	.00190	.00331	.03926	394.908	.00003	.00208	.0393	.03928	0.00198	25.7612
CVS Total Mass Results:(Grams/Mile)										
	.00380	.00452	.06724	462.739	.00015	.00350	.0674	.06739	.00343	21.9776

Drive Metrics:	
CSI	RMS
-16.575	.423

SAE Drive Metrics:										
	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,553,600	4,554,390	-0.017	2,849.4	2,852.2	-0.098	0.080	-0.122	-0.151	0.6996
Phase: 2	10,341,400	10,571,000	-2.172	10,025.3	10,035.9	-0.106	-2.112	-9.065	-11.822	0.5411
<b>Final:</b>	<b>14,894,900</b>	<b>15,125,400</b>	<b>-1.524</b>	<b>12,874.7</b>	<b>12,888.1</b>	<b>-0.104</b>	<b>-1.441</b>	<b>-2.956</b>	<b>-5.834</b>	<b>0.6083</b>

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system Date: 06/06/2019 17:45:31  
 Validator's Comments:

Test Options:	
Option	Description
Induced Failure	
DHFID Hangup value	.003
Gain	.650

## Test Options

## Emission Summary Report

Constant Grade	.000
Diesel Regeneration Required	0
MINI DILUTER T/P DILUTION RATIO	8.690
Weighted Dilution factor	12.660
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	23
Threshold	350
CVS K Coeff	539.114
Charging Type	CS
Template Emissions CAT	EPA
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
Abort test on dead battery	Y
Abort Test on INCA Failure	Y
Augmented Braking	Y
Diesel Test	Y
Hybrid Test	Y
Inca Requirement	Y
Mule Vehicle to Park	Y
Road (Var.) Speed Fan required	Y
Rolls Requirement	Y
SAE Calculations Required	Y
Wrap Cursor	Y

### Sequence Purpose

MY15 DS Baseline with AEM applied

### Req Spcl Inst

Use 8 ft exhaust pipe and Extra cooling.

Connect DCAN Cable – Automatically setting ROLLS MODE!

### Shift Comments

D| Dual Exhaust

### Sampling Type List

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

### Test Request Purpose

Emissions baseline after application of AEM and 1000miles accumulated on MA.

## Test Comments

## Emission Summary Report

### **Informational Report Comments**

ProcLnch – Initialization failure for INCA! Retry?