

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>X6XXX8061 / 031M287</b>	Test ID:	<b>X6XXX8061_US2XSP020819082802 / 1111535752</b>
Test Req:	<b>082012191019-2</b>	Location:	CHRYSLER TECH CENTER
Test Type:	<b>US06(2X) – using Split Bag US06</b>	Facility:	<b>Test Cell 8</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:	76458	Fuel Anal.#:	10762
AutoLoad File:	None	INCA Project File:	X6XXX8088_WorkSpace.exp
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 GRAND CHERGRAY
Test Req. Purpose:	Emissions baseline after application of AEM and 1000miles accumulated on MA. Sequence completion following DPF regen during ETS request 082012191012.		
Seq. Purpose:	MY16 DS Baseline with AEM applied		

<b>Individual Cycles:(Grams/Mile) Tailpipe:</b>												
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0051	.0004	.0133	.0354	.0280	623.8	.0208	.0076	54.2	16.3054		.264
Cycle2	.0013	.0000	.0067	.0248	.0653	510.5	.0619	.0101	143.4	19.9122		1.011
Cycle3	.0019	.0003	.0048	.0191	.0535	395.9	.0496	.0117	619.2	25.6941		6.230
Cycle4	.0084	.0003	.0213	.0520	.1731	822.0	.1397	.0456	92.5	12.3778		.278
Cycle5	.0051	.0005	.0159	.0494	.5609	876.9	.5376	.0921	62.8	11.6017		.226

<b>Modal Test Results:(Grams)</b>												
Phase: 1												
IDLE	.0003	.0000	.0011	.0021	.0004	28.6	.0000	.0000	13.9	.2494		0
ACCEL	.0032	.0003	.0099	.0404	.2155	942.3	.2127	.0308	211.6	8.3266		0
DECEL	.0026	.0001	.0088	.0176	.0324	137.3	.0157	.0149	127.3	74.7997		0
TOTAL	.0062	.0003	.0198	.0601	.2483	1108.2	.2284	.0457	352.9			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0035</b>	<b>.0002</b>	<b>.0111</b>	<b>.0338</b>	<b>.1395</b>	<b>622.6</b>	<b>.1283</b>	<b>.0257</b>	<b>352.9</b>	<b>16.3321</b>	<b>0</b>	<b>1.780</b>
Phase: 2												
IDLE	.0001	.0000	.0002	.0004	.0000	5.9	.0000	.0000	2.9	.0000		0
ACCEL	.0040	.0008	.0103	.0517	.2477	1139.9	.2306	.0587	258.4	16.9019		0
CRUISE	.0048	.0006	.0126	.0507	.0728	1076.8	.0675	.0122	255.1	28.8236		0
DECEL	.0030	.0002	.0065	.0163	.0131	244.1	.0110	.0023	102.7	53.5508		0
TOTAL	.0119	.0016	.0297	.1191	.3336	2466.7	.3091	.0732	619.2			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0019</b>	<b>.0003</b>	<b>.0048</b>	<b>.0191</b>	<b>.0535</b>	<b>395.9</b>	<b>.0496</b>	<b>.0117</b>	<b>619.2</b>	<b>25.6941</b>	<b>0</b>	<b>6.231</b>
Phase: 1A												
IDLE	.0001	.0000	.0004	.0008	.0001	12.1			5.6	.0000		0
ACCEL	.0014	.0001	.0054	.0248	.0702	585.8			125.8	9.6998		0
DECEL	.0011	.0000	.0045	.0088	.0032	83.3			66.2	87.7059		0
TOTAL	.0027	.0001	.0103	.0345	.0735	681.2			197.7			0

**Modal Test Results Mass Results: (Grams/Mile)**

	<b>.0021</b>	<b>.0001</b>	<b>.0081</b>	<b>.0270</b>	<b>.0576</b>	<b>534.0</b>		<b>197.7</b>	<b>19.0539</b>	<b>0</b>	<b>1.276</b>	
Phase: 1B												
IDLE	.0002	.0000	.0007	.0012	.0004	16.4		8.3	.4330	0		
ACCEL	.0017	.0002	.0045	.0156	.1453	356.5		85.8	6.0819	0		
DECEL	.0015	.0001	.0044	.0088	.0292	54.0		61.1	54.6902	0		
TOTAL	.0035	.0002	.0095	.0256	.1749	426.9		155.2		0		
Phase: 1B Equivalent Mass Results: (Grams/Mile)												
	<b>.0069</b>	<b>.0004</b>	<b>.0189</b>	<b>.0508</b>	<b>.3468</b>	<b>846.6</b>		<b>155.2</b>	<b>12.0125</b>	<b>0</b>	<b>.504</b>	
<b>Total Equivalent Mass Results:(Grams/Mile)</b>												
	<b>.0023</b>	<b>.0002</b>	<b>.0062</b>	<b>.0224</b>	<b>.0726</b>	<b>446.3</b>	<b>.0671</b>	<b>.0148</b>	<b>972.0</b>	<b>22.8138</b>	<b>0</b>	<b>8.010</b>

**CVS Mass Results: (Grams/Mile)**

	<b>HC</b>	<b>CO</b>	<b>NOX</b>	<b>CO2</b>	<b>NMHC</b>	<b>CH4</b>	<b>NMHC+NOX</b>	<b>NMOG+NOX</b>	<b>HFID</b>	<b>Vol.MPG</b>
Phase: 1	.00658	.01341	.14833	669.413	.00000	.00374	.1483	.14833	0.00295	15.2099
Phase: 2	.00144	.00625	.05938	396.365	.00000	.00138	.0594	.05938	0.00098	25.6953
<b>CVS Total Mass Results:(Grams/Mile)</b>										
	<b>.00259</b>	<b>.00784</b>	<b>.07914</b>	<b>457.038</b>	<b>.00000</b>	<b>.00191</b>	<b>.0791</b>	<b>.07914</b>	<b>.00142</b>	<b>22.2657</b>

**Drive Metrics:**

<b>CSI</b>	<b>RMS</b>
-11.742	.344

**SAE Drive Metrics:**

	<b>CED (J)</b>	<b>CET (J)</b>	<b>ER</b>	<b>DistD (M)</b>	<b>DistT (M)</b>	<b>DistR</b>	<b>EER</b>	<b>ASCR</b>	<b>IWR</b>	<b>RMSSE (MPH)</b>
Phase: 1	4,574,800	4,604,560	-0.646	2,864.2	2,852.2	0.422	-1.075	-0.705	-1.033	0.7013
Phase: 2	10,755,900	10,945,000	-1.727	10,027.7	10,036.0	-0.083	-1.674	-4.933	-6.536	0.2840
<b>Final:</b>										
	<b>15,330,700</b>	<b>15,549,500</b>	<b>-1.407</b>	<b>12,891.9</b>	<b>12,888.2</b>	<b>0.029</b>	<b>-1.457</b>	<b>-2.045</b>	<b>-3.711</b>	<b>0.4920</b>

**Test Validation:** Valid:    Invalid:    Retest:    Accept:    NIC: system    Date: 08/28/2019 12:47:40

Validator's Comments:

**Test Options:**

<b>Option</b>	<b>Description</b>
DHFID Hangup value	.002
Gain	.650

## Test Options

## Emission Summary Report

Constant Grade	.000
Diesel Regeneration Required	0
MINI DILUTER T/P DILUTION RATIO	9.100
Weighted Dilution factor	14.650
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.083
Bag Methane Response Factor	1.101
Soak Duration(Hrs)	2
Threshold	350
CVS K Coeff	638.530
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

MY16 DS Baseline with AEM applied

### Engr. SpclInst

Engineer needs to collect DiagaRA data at the end of drive cycle.

### 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 Comments

## Emission Summary Report

### **Test Request Purpose**

Emissions baseline after application of AEM and 1000miles accumulated on MA. Sequence completion following DPF regen during ETS request 082012191012.

### **Informational Report Comments**

ProcLnch – Initialization failure for INCA! Retry?