

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>X4XXX6788 / 030M102</b>	Test ID:	<b>X4XXX6788_US2XSP020719050801 / 1111011088</b>
Test Req:	<b>082012190491-6</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:	79067	Fuel Anal.#:	10762
AutoLoad File:	None	INCA Project File:	MY14WK_ConsentDecree_2.exp
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 GRAND CHERBLACK
Test Req. Purpose:	Emissions baseline after application of AEM and 1000miles accumulated on MA.		
Seq. Purpose:	MY14 WK Baseline with AEM applied		

	<b>Individual Cycles:(Grams/Mile) Tailpipe:</b>											
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0150	.0091	.0072	.0158	.0106	673.8	.0093	.0026	50.2	15.0959		.268
Cycle2	.0079	.0043	.0041	.0104	.0081	515.3	.0081	.0009	136.7	19.7573		1.015
Cycle3	.0062	.0039	.0025	.0081	.0091	374.8	.0082	.0022	585.2	27.1330		6.235
Cycle4	.0235	.0141	.0108	.0144	.0230	919.9	.0197	.0047	85.5	11.0596		.274
Cycle5	.0161	.0091	.0076	.0177	.2251	899.0	.2190	.0570	58.5	11.3180		.225

<b>Modal Test Results:(Grams)</b>												
Phase: 1												
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
IDLE	.0011	.0005	.0007	.0005	.0000	18.7	.0000	.0000	11.7	.5988		0
ACCEL	.0114	.0076	.0052	.0175	.0480	996.3	.0561	.0056	200.7	7.8695		0
DECEL	.0095	.0046	.0049	.0047	.0200	143.0	.0092	.0101	118.5	72.1544		0
TOTAL	.0221	.0127	.0108	.0227	.0680	1158.0	.0653	.0157	331.0			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0124</b>	<b>.0071</b>	<b>.0061</b>	<b>.0127</b>	<b>.0381</b>	<b>649.8</b>	<b>.0366</b>	<b>.0088</b>	<b>331.0</b>	<b>15.6538</b>	<b>0</b>	<b>1.782</b>
Phase: 2												
IDLE	.0003	.0001	.0002	.0001	.0000	4.2	.0000	.0000	2.5	.2443		0
ACCEL	.0140	.0098	.0048	.0225	.0536	1092.0	.0491	.0136	235.2	17.6959		0
CRUISE	.0163	.0104	.0066	.0224	.0023	1012.8	.0016	.0000	246.1	30.7397		0
DECEL	.0080	.0042	.0039	.0054	.0007	227.6	.0002	.0000	101.4	57.1614		0
TOTAL	.0385	.0246	.0155	.0504	.0566	2336.6	.0509	.0136	585.2			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0062</b>	<b>.0039</b>	<b>.0025</b>	<b>.0081</b>	<b>.0091</b>	<b>374.8</b>	<b>.0082</b>	<b>.0022</b>	<b>585.2</b>	<b>27.1330</b>	<b>0</b>	<b>6.235</b>
Phase: 1A												
IDLE	.0005	.0002	.0003	.0003	.0000	8.7			4.7	.0000		0
ACCEL	.0063	.0041	.0029	.0118	.0107	620.2			117.7	9.1917		0
DECEL	.0052	.0025	.0029	.0027	.0004	74.8			64.6	98.7731		0
TOTAL	.0120	.0068	.0061	.0147	.0111	703.7			186.9			0
Phase: 1A	<u>Equivalent Mass Results: (Grams/Mile)</u>											

Modal Test Results										
Phase: 1B										
IDLE	.0006	.0003	.0004	.0003	.0000	10.0		7.0	1.1167	0
ACCEL	.0051	.0035	.0023	.0057	.0372	376.1		83.1	5.6908	0
DECEL	.0043	.0022	.0020	.0020	.0196	68.2		54.0	42.9245	0
TOTAL	.0101	.0059	.0047	.0079	.0569	454.3		144.1		0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0201	.0118	.0093	.0159	.1140	910.5		144.1	11.1811	0 .499
Total Equivalent Mass Results:(Grams/Mile)										
	.0076	.0046	.0033	.0091	.0155	435.9	.0145	.0037	916.2	23.3368 0 8.017

CVS Mass Results: (Grams/Mile)										
	HC	CO	NOX	CO2	NMHC	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00084	.00695	.04236	684.008	.00000	.00274	.0424	.04236	0.00059	14.8765
Phase: 2	.00000	.00234	.00995	370.705	.00000	.00074	.0099	.00995	0.00000	27.4281
CVS Total Mass Results:(Grams/Mile)										
	.00019	.00337	.01715	440.352	.00000	.00118	.0172	.01715	.00013	23.1269

Drive Metrics:	
CSI	RMS
-18.342	.353

SAE Drive Metrics:										
	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,581,680	4,591,260	-0.209	2,868.2	2,852.2	0.560	-0.770	-0.535	-0.049	0.6768
Phase: 2	10,083,800	10,302,500	-2.123	10,035.2	10,035.9	-0.007	-2.162	-9.134	-12.052	0.3526
<b>Final:</b>	<b>14,665,500</b>	<b>14,893,800</b>	<b>-1.533</b>	<b>12,903.4</b>	<b>12,888.1</b>	<b>0.119</b>	<b>-1.677</b>	<b>-3.261</b>	<b>-5.894</b>	<b>0.5053</b>

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system Date: 05/08/2019 17:20:05  
 Validator's Comments:

Test Options:	
Option	Description
Induced Failure	
DHFID Hangup value	.004
Gain	.650

## Test Options

## Emission Summary Report

Constant Grade	.000
Diesel Regeneration Required	0
MINI DILUTER T/P DILUTION RATIO	8.740
Weighted Dilution factor	13.190
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	29
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

MY14 WK Baseline with AEM applied

### Engr. SpclInst

DiagRA data needs taken before and after each sequence

### 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.