

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>X4XXX6355 / 045M554</b>	Test ID:	<b>X4XXX6355_US2XSP020719072801 / 1111012144</b>
Test Req:	<b>082012190844-6</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:	81911	Fuel Anal.#:	10762
AutoLoad File:	None	INCA Project File:	X4XXX6355.exp
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 GRAND CHERBLUE
Test Req. Purpose:	Emissions baseline in as-received condition. AEM was applied in the field by dealership.		
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	.0154	.0070	.0099	.0106	.1097	701.5	.0803	.0411	53.0	14.5148		.268
Cycle2	.0109	.0071	.0045	.0066	.0745	534.5	.0718	.0087	139.2	19.0540		1.022
Cycle3	.0051	.0029	.0026	.0051	.0698	390.1	.0665	.0101	586.6	26.0897		6.244
Cycle4	.0207	.0083	.0160	.0098	.3079	975.1	.2736	.0645	87.6	10.4359		.274
Cycle5	.0208	.0126	.0102	.0091	.7235	965.3	.6917	.1077	58.1	10.5440		.223

<b>Modal Test Results:(Grams)</b>												
Phase: 1												
IDLE	.0011	.0004	.0008	.0004	.0002	20.3	.0000	.0000	11.9	4517		0
ACCEL	.0152	.0098	.0074	.0111	.2933	1031.7	.2936	.0356	202.6	7.6968		0
DECEL	.0093	.0041	.0058	.0028	.0577	164.8	.0305	.0260	123.3	62.0369		0
TOTAL	.0256	.0142	.0139	.0143	.3512	1216.8	.3241	.0616	337.8			0

Phase: 1 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	<b>.0143</b>	<b>.0080</b>	<b>.0078</b>	<b>.0080</b>	<b>.1965</b>	<b>680.9</b>	<b>.1814</b>	<b>.0345</b>	<b>337.8</b>	<b>14.9412</b>	<b>0</b>	<b>1.787</b>

Phase: 2												
IDLE	.0003	.0001	.0002	.0001	.0000	4.6	.0000	.0000	2.5	4470		0
ACCEL	.0129	.0084	.0056	.0137	.3012	1135.0	.2838	.0506	233.9	17.0438		0
CRUISE	.0129	.0071	.0067	.0148	.1072	1046.4	.1074	.0083	250.1	29.7528		0
DECEL	.0057	.0025	.0036	.0033	.0277	249.9	.0239	.0040	100.0	52.1803		0
TOTAL	.0318	.0182	.0161	.0319	.4361	2435.8	.4151	.0629	586.6			0

Phase: 2 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	<b>.0051</b>	<b>.0029</b>	<b>.0026</b>	<b>.0051</b>	<b>.0698</b>	<b>390.1</b>	<b>.0665</b>	<b>.0101</b>	<b>586.6</b>	<b>26.0897</b>	<b>0</b>	<b>6.244</b>

Phase: 1A												
IDLE	.0005	.0001	.0003	.0002	.0000	9.4			4.8	1084		0
ACCEL	.0092	.0065	.0038	.0076	.1001	635.9			120.4	9.1094		0
DECEL	.0056	.0026	.0032	.0018	.0053	88.8			66.9	82.7132		0
TOTAL	.0153	.0092	.0073	.0096	.1055	734.1			192.1			0

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

Modal Test Results										
Phase: 1B										
IDLE	.0006	.0002	.0004	.0002	.0001	10.9		7.1	.7477	0
ACCEL	.0060	.0033	.0036	.0035	.1932	395.8		82.2	5.4239	0
DECEL	.0038	.0015	.0026	.0010	.0524	76.1		56.4	38.2491	0
TOTAL	.0103	.0051	.0067	.0047	.2457	482.7		145.6		0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0208	.0102	.0134	.0095	.4941	970.7		145.6	10.4788	0 .497
Total Equivalent Mass Results:(Grams/Mile)										
	.0071	.0040	.0037	.0058	.0980	454.8	.0920	.0155	924.4	22.3626 0 8.031

CVS Mass Results: (Grams/Mile)											
	HC	CO	NOX	CO2	NMHC	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG	
Phase: 1	.01446	.00782	.20693	704.048	.00000	.00475		.2069	.20693	0.00266	14.4538
Phase: 2	.00044	.00517	.07432	385.508	.00000	.00094		.0743	.07432	0.00029	26.3612
CVS Total Mass Results:(Grams/Mile)											
	.00356	.00576	.10382	456.390	.00000	.00179		.1038	.10382	.00082	22.3145

Drive Metrics:	
CSI	RMS
-10.848	.357

SAE Drive Metrics:										
	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,648,770	4,591,400	1.250	2,876.7	2,852.2	0.858	0.387	0.373	0.798	0.7132
Phase: 2	10,287,400	10,302,200	-0.143	10,049.7	10,036.0	0.136	-0.280	-6.381	-8.250	0.3169
<b>Final:</b>	<b>14,936,200</b>	<b>14,893,600</b>	<b>0.286</b>	<b>12,926.4</b>	<b>12,888.2</b>	<b>0.296</b>	<b>-0.010</b>	<b>-1.767</b>	<b>-3.607</b>	<b>0.5106</b>

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system Date: 07/28/2019 13:39:08  
 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	8.720
Weighted Dilution factor	12.790
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	27
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 in as-received condition. AEM was applied in the field by dealership.