

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>X4XXX7698 / 031M303</b>	Test ID:	<b>X4XXX7698_US2XSP020719100301 / 1111013054</b>
Test Req:	<b>082012191216-4</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:	75149	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 CHERBROWN
Test Req. Purpose:	X4XXX7698 – AEM Baseline Post Regen		
Seq. Purpose:	MY14 WK Baseline with AEM applied		

	<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	.0120	.0054	.0086	.0095	.0025	648.2	.0015	.0004	49.1	15.7021		.267
Cycle2	.0073	.0040	.0042	.0083	.0056	484.3	.0048	.0009	137.3	21.0228		1.023
Cycle3	.0047	.0026	.0026	.0074	.0016	380.4	.0010	.0003	582.0	26.7763		6.238
Cycle4	.0272	.0133	.0158	.0177	.0025	856.2	.0004	.0000	87.4	11.8860		.275
Cycle5	.0178	.0105	.0086	.0179	.0264	882.4	.0258	.0044	54.1	11.5361		.225

**Modal Test Results:(Grams)**

Phase: 1

IDLE	.0008	.0002	.0007	.0007	.0001	22.7	.0000	.0000	11.1	.3140		0
ACCEL	.0137	.0086	.0064	.0150	.0120	952.4	.0111	.0018	202.5	8.6523		0
DECEL	.0077	.0028	.0057	.0042	.0010	127.8	.0001	.0002	114.4	78.2603		0
TOTAL	.0221	.0115	.0128	.0199	.0130	1102.9	.0112	.0020	327.9			0

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

	<b>.0124</b>	<b>.0064</b>	<b>.0072</b>	<b>.0111</b>	<b>.0073</b>	<b>616.0</b>	<b>.0063</b>	<b>.0011</b>	<b>327.9</b>	<b>16.5178</b>	<b>0</b>	<b>1.790</b>
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Phase: 2

IDLE	.0002	.0001	.0002	.0002	.0000	5.1	.0000	.0000	2.4	.2012		0
ACCEL	.0114	.0073	.0049	.0198	.0084	1071.9	.0060	.0017	229.9	18.0411		0
CRUISE	.0104	.0052	.0067	.0199	.0010	1041.3	.0000	.0000	244.6	29.8389		0
DECEL	.0074	.0035	.0044	.0064	.0006	254.9	.0001	.0001	105.1	51.3881		0
TOTAL	.0294	.0161	.0161	.0463	.0101	2373.2	.0061	.0018	582.0			0

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

	<b>.0047</b>	<b>.0026</b>	<b>.0026</b>	<b>.0074</b>	<b>.0016</b>	<b>380.4</b>	<b>.0010</b>	<b>.0003</b>	<b>582.0</b>	<b>26.7763</b>	<b>0</b>	<b>6.239</b>
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Phase: 1A

IDLE	.0003	.0000	.0003	.0003	.0000	9.9			4.6	.1033		0
ACCEL	.0066	.0043	.0030	.0087	.0060	574.7			115.9	10.0545		0
DECEL	.0038	.0011	.0032	.0021	.0004	83.9			65.9	87.7106		0
TOTAL	.0106	.0055	.0065	.0110	.0064	668.5			186.4			0

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

Modal Test Results										
Phase: 1B										
IDLE	.0005	.0001	.0004	.0004	.0000	12.8		6.5	4757	0
ACCEL	.0071	.0042	.0033	.0063	.0060	377.7		86.6	6.5308	0
DECEL	.0039	.0017	.0026	.0022	.0006	43.8		48.5	59.8355	0
TOTAL	.0115	.0060	.0063	.0089	.0066	434.3		141.5		0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0230	.0121	.0126	.0178	.0132	868.0		141.5	11.7219	0 .500
Total Equivalent Mass Results: (Grams/Mile)										
	.0064	.0034	.0036	.0082	.0029	433.0	.0022	.0005	910.0	23.4989 0 8.029

CVS Mass Results: (Grams/Mile)										
	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.01334	.00780	.00674	.00274	643.307	.00389	.0095	.00948	0.00638	15.8247
Phase: 2	.00129	.00310	.00134	.00033	367.271	.00090	.0017	.00168	0.00117	27.7268
CVS Total Mass Results: (Grams/Mile)										
	.00398	.00415	.00255	.00087	428.823	.00157	.0034	.00342	.00234	23.7195

Drive Metrics:	
CSI	RMS
-12.640	.460

SAE Drive Metrics:											
	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)	
Phase: 1	4,352,560	4,287,860	1.509	2,881.6	2,852.2	1.031	0.471	0.844	1.226	0.8913	
Phase: 2	10,041,100	10,162,900	-1.198	10,040.3	10,036.1	0.042	-1.256	-8.591	-11.441	0.4487	
<b>Final:</b>	<b>14,393,700</b>	<b>14,450,800</b>	<b>-0.395</b>	<b>12,921.9</b>	<b>12,888.3</b>	<b>0.261</b>	<b>-0.659</b>	<b>-2.145</b>	<b>-4.938</b>	<b>0.6589</b>	

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 10/03/2019 10:53:33  
 Validator's Comments:

Test Options:	
Option	Description
DHFID Hangup value	.006
Gain	.650
Constant Grade	.000

## Test Options

## Emission Summary Report

Diesel Regeneration Required	0
Background Particles	.000
Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	8.600
Weighted Dilution factor	13.590
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	22
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

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

## Test Comments

## Emission Summary Report

None -- None -- DCVS , Diesel Tailpipe / Particulates – Single  
**Test Request Purpose**  
X4XXX7698 – AEM Baseline Post Regen