

### EMISSIONS SUMMARY REPORT

Vehicle ID:	<b>X4XXX7698 / 031M303</b>	Test ID:	<b>X4XXX7698_EPA75_020719100301 / 1111013052</b>
Test Req:	<b>082012191216-2</b>	Location:	CHRYSLER TECH CENTER
Test Type:	<b>EPA75</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:	75117	Fuel Anal.#:	10762
AutoLoad File:	None	INCA Project File:	X4XXX6355.exp
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	1/1	Vehicle Desc.:	0.00 GRAND CHERBROWN
Test Req. Purpose:	X4XXX7698 – AEM Baseline Post Regen		
Seq. Purpose:	MY14 WK Baseline with AEM applied		

Individual Cycles:(Grams/Mile)	Tailpipe:											
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Time-63	.2512	.1531	.0825	10.7078	.5464	820.6	.5711	.0719	43.2	12.1339		.192
Cycle1	.7257	.5229	.2187	7.0055	.3098	620.0	.3075	.0336	99.1	16.0675		.674
Cycle2	.1538	.1255	.0326	.0217	.1424	430.1	.1366	.0133	188.7	23.6361		1.966
Cycle11	.1114	.0151	.1068	.0030	.0008	316.8	.0000	.0000	127.0	32.0648		1.366
Cycle19	.1750	.0227	.1703	.4882	.0096	408.2	.0080	.0004	72.8	24.8600		.675

**Modal Test Results:(Grams)**

Phase: 1												
IDLE	.0475	.0355	.0128	.2574	.0208	102.1	.0211	.0002	33.1	99.2174		0
ACCEL	.1611	.1201	.0438	1.2798	.2551	768.2	.2556	.0256	152.9	13.2064		0
CRUISE	.5015	.3651	.1391	2.3370	.1204	698.5	.1148	.0067	146.5	14.4693		0
DECEL	.1116	.0963	.0300	.8959	.1067	165.8	.0951	.0170	94.7	60.6536		0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.1	.0000		0
TOTAL	.8217	.6170	.2259	4.7701	.5030	1734.6	.4866	.0495	427.3			0

Phase: 1 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	<b>.2281</b>	<b>.1713</b>	<b>.0627</b>	<b>1.3240</b>	<b>.1396</b>	<b>481.5</b>	<b>.1351</b>	<b>.0137</b>	<b>427.3</b>	<b>21.0332</b>	<b>0</b>	<b>3.603</b>

Phase: 2												
IDLE	.0086	.0022	.0066	.0012	.0005	99.1	.0000	.0000	40.5	102.7565		0
ACCEL	.2137	.0267	.1932	.0256	.0032	928.7	.0003	.0000	200.8	10.9450		0
CRUISE	.1205	.0237	.1106	.0062	.0012	519.1	.0000	.0000	165.4	19.5915		0
DECEL	.0342	.0113	.0365	.0017	.0007	141.5	.0000	.0000	112.9	71.6063		0
TOTAL	.3771	.0638	.3469	.0347	.0056	1688.4	.0003	.0000	519.6			0

Phase: 2 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	<b>.0972</b>	<b>.0165</b>	<b>.0895</b>	<b>.0090</b>	<b>.0014</b>	<b>435.4</b>	<b>.0001</b>	<b>.0000</b>	<b>519.6</b>	<b>23.3753</b>	<b>0</b>	<b>3.878</b>

Phase: 3												
IDLE	.0050	.0009	.0045	.0014	.0002	67.1	.0000	.0000	28.0	151.8420		0
ACCEL	.1399	.0147	.1344	.2999	.0364	681.4	.0334	.0074	141.5	14.9224		0
CRUISE	.1079	.0133	.1036	.0110	.0026	551.8	.0008	.0001	131.6	18.4225		0

Modal Test Results											
HC	.032	.0167	.0263	.0390	.0013	110.8	.0007	.0000	97.5	91.5647	0
CRANK	.0000	.0000	.0000	.0000	.0000	.2	.0000	.0000	.1	.0000	0
TOTAL	.2750	.0355	.2689	.3514	.0405	1411.2	.0349	.0075	398.7		0
Phase: 3 <u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0763</b>	<b>.0098</b>	<b>.0746</b>	<b>.0975</b>	<b>.0112</b>	<b>391.7</b>	<b>.0097</b>	<b>.0021</b>	<b>398.7</b>	<b>25.9324</b>	<b>0 3.603</b>
<b>Weighted Total Equivalent Mass Results:(Grams/Mile)</b>											
	<b>.1186</b>	<b>.0467</b>	<b>.0798</b>	<b>.3056</b>	<b>.0327</b>	<b>432.9</b>	<b>.0307</b>	<b>.0034</b>	<b>1345.6</b>	<b>23.4539</b>	<b>0 11.084</b>

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

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.22448	1.33909	.13355	.16880	469.144	.05993	.30235	0.22486	21.5672
Phase: 2	.08987	.01314	.00178	.00949	426.892	.08109	.01126	0.08535	23.8151
Phase: 3	.07214	.08714	.01107	.00715	381.322	.06902	.01821	0.07171	26.6823

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

	<b>.11288</b>	<b>.30806</b>	<b>.03162</b>	<b>.04184</b>	<b>423.132</b>	<b>.07339</b>	<b>.07346</b>	<b>.11050</b>	<b>24.0087</b>
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**Drive Metrics:**

CSI	RMS
19.203	.425

**SAE Drive Metrics:**

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,626,270	4,555,980	1.543	5,798.4	5,779.5	0.328	1.196	0.781	0.912	0.5370
Phase: 2	4,308,020	4,207,500	2.389	6,239.5	6,211.3	0.455	1.889	2.931	4.620	0.4200
Phase: 3	4,643,290	4,555,810	1.920	5,797.6	5,779.5	0.314	1.576	1.672	1.870	0.4947
<b>Final (Weighted):</b>	<b>8,943,990</b>	<b>8,763,380</b>	<b>2.061</b>	<b>12,037.5</b>	<b>11,990.8</b>	<b>0.390</b>	<b>1.638</b>	<b>2.005</b>	<b>3.127</b>	<b>0.4177</b>

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system Date: 10/03/2019 08:58:28

Validator's Comments:

**Test Options:**

Option	Description
DHFID Hangup value	.007
Gain	.650
Constant Grade	.000
Diesel Regeneration Required	0

## Test Options

## Emission Summary Report

Background Particles	.000
Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	8.580
Weighted Dilution factor	13.410
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	20
CVS K Coeff	254.900
Threshold	350
Pre Test Vehicle Temperature	Cold
Trace Start Method	Crank (Pendant)
Charging Type	CS
Template Emissions CAT	EPA
Actual Driver	Human
CVS Venturi Selection	Low
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
DbW Available	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

### 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

Connect DCAN Cable – Automatically setting ROLLS MODE!

### Shift Comments

D| Dual Exhaust

### Sampling Type List

DCVS , Diesel Tailpipe / Particulates – Multiple

### Test Request Purpose

## Test Comments

## Emission Summary Report

X4XXX7698 – AEM Baseline Post Regen