

**EMISSIONS SUMMARY REPORT**

Vehicle ID: **X4XXX7698 / 031M303** Test ID: **X4XXX7698\_SC032X020719100301 / 1111013055**  
 Test Req: **082012191216-5** Location: **CHRYSLER TECH CENTER**  
 Test Type: **SC03(2X)** Facility: **Test Cell 7** Start Time: **10/03/2019 11:45:53**  
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **10/03/2019 12:15:05**  
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: (lbs) **5500**  
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **23.01**  
 Start Odometer: **75165** Fuel Anal.#: **10762** Road Load Coeff B: **.1226**  
 AutoLoad File: **None** INCA Project File: **X4XXX6355.exp** Road Load Coeff C: **0.02861**  
 Cell Temp Set Pt: **95** Altitude Set Pt(ft.): **930** Hum. Set Pt (Grains): **100.00**  
 Test Segment: **3/3** Vehicle Desc.: **0.00 GRAND CHERBROWN** Emissions Standard: **Fed. BIN 5**  
 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	.3988	.1364	.2702	.0848	.0076	5331.8	.0000	.0000	7.3	1.9079		.004
Cycle2	.1059	.0334	.0804	.4734	.0604	507.4	.0548	.0103	136.0	20.0282		.996
Cycle3	.0461	.0175	.0298	.0073	.0696	515.6	.0616	.0157	57.2	19.7144		.394
Cycle4	.0370	.0141	.0243	.0113	.0158	515.2	.0120	.0045	97.1	19.7538		.756
Cycle5	.0161	.0083	.0087	.0071	.0004	369.6	.0000	.0000	138.1	27.4973		1.218
Cycle6	.0353	.0196	.0169	.0120	.0008	575.5	.0000	.0000	54.4	17.6932		.233

**Modal Test Results:(Grams)**

Phase: 1

IDLE	.0063	.0020	.0045	.0023	.0002	111.8	.0000	.0000	35.7	90.8401		0
ACCEL	.1288	.0430	.0888	.4715	.0958	1135.8	.0864	.0192	253.1	8.9486		0
CRUISE	.0085	.0041	.0045	.0033	.0003	161.9	.0001	.0000	61.1	62.8027		0
DECEL	.0374	.0169	.0280	.0175	.0040	294.6	.0015	.0007	140.1	34.4769		0
CRANK	.0000	.0000	.0000	.0000	.0000	.1	.0000	.0000	.0	.0000		0
TOTAL	.1810	.0660	.1259	.4946	.1003	1704.4	.0880	.0199	490.0			0

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

	<b>.0503</b>	<b>.0183</b>	<b>.0350</b>	<b>.1374</b>	<b>.0279</b>	<b>473.4</b>	<b>.0244</b>	<b>.0055</b>	<b>490.0</b>	<b>21.4962</b>	<b>0</b>	<b>3.600</b>
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**CVS Mass Results: (Grams/Mile)**

	<b>HC</b>	<b>CO</b>	<b>NOX</b>	<b>NMHC</b>	<b>CO2</b>	<b>CH4</b>	<b>NMHC+NOX</b>	<b>NMOG+NOX</b>	<b>HFID</b>	<b>Vol.MPG</b>
Phase: 1	.04889	.21803	.02968	.01603	468.160	.03080	.0457	.04571	0.04484	21.7205

**Drive Metrics:**

<b>CSI</b>	<b>RMS</b>
3.925	.296

**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>
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## Emission Summary Report

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Phase: 1      4,681,260    4,592,950    1.923      5,794.6      5,760.9    0.585    1.313    1.341    1.623                    0.4934

**Test Validation:**    Valid:      Invalid:      Retest:      Accept:      NIC: system    Date: 10/03/2019 12:28:17

Validator's Comments:

**Test Options:**

<b>Option</b>	<b>Description</b>
DHFID Hangup value	.013
Gain	.650
Initial Solar Intensity (in KW/Square meter)	.842
Constant Grade	.000
Diesel Regeneration Required	0
Average Solar Intensity (in KW/Square meter)	.812
Background Particles	.000
Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	8.580
Weighted Dilution factor	25.220
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	24
Threshold	350
CVS K Coeff	539.114
Solar Intensity (in percent)	90.000
Trace Start Method	Crank (Pendant)
Charging Type	CS
Template Emissions CAT	EPA
Pre Test Vehicle Temperature	Hot
Actual Driver	Human
Solar Profile Name	JA_850
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

## Test Options

## Emission Summary Report

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
Solar 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

With the vehicle on, close all windows 1) For automatic systems press the Auto button and set temp to 72F( 22 C). \*\* a) Do not depress any other buttons on HVAC 2) For Manual systems \*\* a) Turn AC on \*\* b) Set AC max \*\* c) Set system to recirculate \*\* d) Set fan speed to highest setting \*\* e) Set temperature to coldest setting

Connect DCAN Cable – Automatically setting ROLLS MODE!

### Shift Comments

D| Dual Exhaust

### Sampling Type List

None -- None -- DCVS , Diesel Tailpipe / Particulates – Multiple

### Test Request Purpose

X4XXX7698 – AEM Baseline Post Regen

### Informational Report Comments

SolStop – Do you want to keep the solar lights on?