EMISSIONS SUMMARY REPORT

Vehicle ID:	**X4XXX3787 / 031M291**	Test ID:	**X4XXX3787_US2XSP020819112401 / 1111536916**		
Test Req:	**082012191528−6**	Location:	CHRYSLER TECH CENTER		
Test Type:	**US06(2X) − using Split Bag US06**	Facility:	**Test Cell 8**	Start Time:	**11/24/2019 10:09:51**
Requestor:	**REDACTED**	Shift Sched.:	AUTO	Trace End:	**11/24/2019 10:31:22**
Driver:	REDACTED	Option(s):	Tailpipe modal &Bag	Inertia Weight: (lbs)	5500
Operator:	REDACTED	Fuel Type:	MS10756	Road Load Coeff A:	21.66
Start Odometer:	79473	Fuel Anal.#:	10762	Road Load Coeff B:	.3128
AutoLoad File:	None	INCA Project File:	X4XXX6355.exp	Road Load Coeff C:	0.02649
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930	Hum. Set Pt (Grains):	50.00
Test Segment:	3/3	Vehicle Desc.:	0.00 JE BLACK	Emissions Standard:	EPA
Test Req. Purpose:	X4XXX3787 − AEM Baseline				
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
Cycle1	.0245	.0152	.0094	.0318	.0126	612.8	.0103	.0042	51.5	16.5966		.263
Cycle2	.0146	.0106	.0044	.0208	.0055	474.9	.0060	.0006	133.8	21.4192		1.012
Cycle3	.0115	.0077	.0042	.0177	.0102	375.7	.0099	.0023	631.2	27.0586		6.226
Cycle4	.0309	.0188	.0133	.0444	.0389	856.5	.0341	.0067	82.6	11.8854		.270
Cycle5	.0214	.0134	.0090	.0386	.1350	842.7	.1330	.0215	55.7	12.0691		.218

Modal Test Results:(Grams)

Phase: 1												
IDLE	.0018	.0009	.0009	.0016	.0000	23.6	.0000	.0000	13.8	.2157	0	
ACCEL	.0177	.0133	.0054	.0329	.0377	893.3	.0414	.0033	185.9	8.7336	0	
DECEL	.0148	.0086	.0061	.0153	.0111	140.0	.0056	.0049	124.0	72.6435	0	
TOTAL	.0342	.0228	.0124	.0498	.0488	1056.8	.0470	.0082	323.6		0	
Phase: 1	Equivalent Mass Results: (Grams/Mile)											
	.0194	**.0129**	**.0071**	**.0282**	**.0277**	**599.3**	**.0267**	**.0047**	**323.6**	**16.9850**	**0**	**1.763**
Phase: 2												
IDLE	.0004	.0002	.0002	.0003	.0000	5.0	.0000	.0000	2.9	.0000	0	
ACCEL	.0256	.0190	.0074	.0453	.0491	1049.6	.0467	.0130	245.7	18.3655	0	
CRUISE	.0322	.0207	.0128	.0487	.0102	1031.2	.0113	.0009	273.8	30.1001	0	
DECEL	.0132	.0081	.0055	.0160	.0039	253.1	.0036	.0003	108.8	51.3807	0	
TOTAL	.0714	.0481	.0259	.1103	.0632	2338.9	.0616	.0142	631.2		0	
Phase: 2	Equivalent Mass Results: (Grams/Mile)											
	.0115	**.0077**	**.0042**	**.0177**	**.0102**	**375.7**	**.0099**	**.0023**	**631.2**	**27.0586**	**0**	**6.226**
Phase: 1A												
IDLE	.0008	.0004	.0004	.0007	.0000	10.3			5.6	.0988	0	
ACCEL	.0111	.0086	.0029	.0206	.0086	549.2			109.6	10.3400	0	
DECEL	.0093	.0058	.0036	.0081	.0003	82.6			70.1	88.4416	0	
TOTAL	.0212	.0148	.0069	.0294	.0089	642.1			185.3		0	
Phase: 1A	Equivalent Mass Results: (Grams/Mile)											

	.0167	**.0116**	**.0054**	**.0231**	**.0070**	**503.3**			**185.3**	**20.2268**	**0**	**1.276**
Phase: 1B												
IDLE	.0009	.0004	.0005	.0009	.0000	13.3			8.1	.3063	0	
ACCEL	.0066	.0047	.0025	.0123	.0291	344.1			76.3	6.1627	0	
DECEL	.0055	.0028	.0026	.0072	.0108	57.4			53.8	49.3707	0	
TOTAL	.0130	.0080	.0056	.0204	.0399	414.8			138.3		0	
Phase: 1B Equivalent Mass Results: (Grams/Mile)												
	.0266	**.0164**	**.0114**	**.0418**	**.0819**	**850.3**			**138.3**	**11.9695**	**0**	**.488**
Total Equivalent Mass Results:(Grams/Mile)												
	.0132	**.0089**	**.0048**	**.0200**	**.0140**	**425.0**	**.0136**	**.0028**	**954.9**	**23.9390**	**0**	**7.990**

CVS Mass Results: (Grams/Mile)

	HC	**CO**	**NOX**	**NMHC**	**CO2**	**CH4**	**NMHC+NOX**	**NMOG+NOX**	**HFID**	**Vol.MPG**
Phase: 1	.00572	.01229	.03060	.00000	634.936	.00313	.0306	.03060	0.00155	16.0244
Phase: 2	.00182	.00598	.01253	.00000	384.914	.00164	.0125	.01253	0.00117	26.4294
CVS Total Mass Results:(Grams/Mile)										
	.00268	**.00737**	**.01652**	**.00000**	**440.096**	**.00197**	**.0165**	**.01652**	**.00125**	**23.1259**

Drive Metrics:

CSI	**RMS**
5.582	.314

SAE Drive Metrics:

	CED (J)	**CET (J)**	**ER**	**DistD (M)**	**DistT (M)**	**DistR**	**EER**	**ASCR**	**IWR**	**RMSSE (MPH)**
Phase: 1	4,301,010	4,287,840	0.307	2,838.0	2,852.2	−0.497	0.802	0.305	1.093	0.5989
Phase: 2	10,137,000	10,163,100	−0.256	10,020.9	10,035.8	−0.149	−0.107	4.059	5.514	0.3084
Final:										
	14,438,100	**14,450,900**	**−0.089**	**12,858.9**	**12,888.0**	**−0.226**	**0.137**	**1.494**	**3.244**	**0.4456**

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 11/24/2019 10:52:23

Validator's Comments:

Test Options:

Option	**Description**
Gain	.650
Constant Grade	.000
Diesel Regeneration Required	0

Background Particles	.000
Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	10.680
Weighted Dilution factor	15.060
DHFID Hangup value	.000
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.083
Bag Methane Response Factor	1.101
Soak Duration(Hrs)	24
Threshold	350
CVS K Coeff	638.530
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
Req Spcl Inst
Use 8 ft exhaust pipe and Extra cooling.
Connect DCAN Cable − Automatically setting ROLLS MODE!
Sampling Type List
None −− None −− DCVS , Diesel Tailpipe / Particulates − Single
Test Request Purpose
X4XXX3787 − AEM Baseline
Informational Report Comments

ProcLnch − Initialization failure for INCA! Retry?