EMISSIONS SUMMARY REPORT

Vehicle ID:	**X5XXX8638 / 000M013**	Test ID:	**X5XXX8638_US2XSP020819082701 / 1111535732**		
Test Req:	**082012191009−6**	Location:	CHRYSLER TECH CENTER		
Test Type:	**US06(2X) − using Split Bag US06**	Facility:	**Test Cell 8**	Start Time:	**08/27/2019 10:52:29**
Requestor:	**REDACTED**	Shift Sched.:	AUTO	Trace End:	**08/27/2019 11:14:00**
Driver:	**REDACTED**	Option(s):	Tailpipe modal &Bag	Inertia Weight:	6000
Operator:	**REDACTED**	Fuel Type:	MS10756	Road Load Coeff A:	13.77
Start Odometer:	70410	Fuel Anal.#:	10762	Road Load Coeff B:	−.0509
AutoLoad File:	None	INCA Project File:	X5XXX3264.exp	Road Load Coeff C:	0.03604
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930	Hum. Set Pt (Grains):	50.00
Test Segment:	3/3	Vehicle Desc.:	0.00 1500 RAM GRAY	Emissions Standard:	Fed. BIN 5

Test Req. Purpose: Emissions baseline in as−recieved condition. Vehicles had AEM installed in field.

Seq. Purpose: MY15 DS Baseline with AEM applied

Individual Cycles:(Grams/Mile) Tailpipe:

	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0174	.0072	.0115	.0244	.2092	635.7	.1797	.0539	53.8	15.9976		.266
Cycle2	.0083	.0037	.0061	.0174	.4374	512.0	.4153	.0638	153.6	19.8725		1.016
Cycle3	.0065	.0023	.0054	.0152	.2860	407.6	.2651	.0525	662.9	24.9377		6.235
Cycle4	.0174	.0026	.0234	.0373	.7503	853.5	.5997	.1896	97.1	11.9278		.276
Cycle5	.0131	.0038	.0137	.0343	1.6800	928.2	1.5767	.2810	63.5	10.9643		.224

Modal Test Results:(Grams)

Phase: 1												
IDLE	.0008	.0002	.0010	.0014	.0012	27.6	.0010	.0000	13.8	.2576	0	
ACCEL	.0116	.0053	.0085	.0297	.9823	977.2	.9345	.1471	218.8	8.0118	0	
DECEL	.0083	.0017	.0093	.0110	.0988	126.8	.0518	.0471	135.4	80.7342	0	
TOTAL	.0207	.0072	.0188	.0421	1.0823	1131.6	.9873	.1942	368.0		0	
Phase: 1	Equivalent Mass Results: (Grams/Mile)											
	.0117	**.0041**	**.0105**	**.0236**	**.6079**	**635.6**	**.5545**	**.1091**	**368.0**	**15.9980**	**0**	**1.781**
Phase: 2												
IDLE	.0002	.0000	.0002	.0002	.0001	5.9	.0001	.0000	2.9	.0000	0	
ACCEL	.0182	.0078	.0127	.0401	1.2818	1161.7	1.1681	.2615	271.0	16.6254	0	
CRUISE	.0147	.0047	.0134	.0417	.4250	1112.7	.4133	.0531	278.1	27.9531	0	
DECEL	.0073	.0019	.0072	.0126	.0760	260.8	.0711	.0126	110.8	50.1186	0	
TOTAL	.0404	.0145	.0335	.0947	1.7830	2541.0	1.6526	.3272	662.9		0	
Phase: 2	Equivalent Mass Results: (Grams/Mile)											
	.0065	**.0023**	**.0054**	**.0152**	**.2860**	**407.6**	**.2651**	**.0525**	**662.9**	**24.9377**	**0**	**6.235**
Phase: 1A												
IDLE	.0005	.0001	.0004	.0005	.0002	11.6			5.5	.0000	0	
ACCEL	.0075	.0043	.0041	.0181	.4750	600.6			129.5	9.4916	0	
DECEL	.0050	.0013	.0047	.0055	.0247	76.5			72.4	95.9640	0	
TOTAL	.0130	.0057	.0092	.0241	.4999	688.8			207.5		0	
Phase: 1A	Equivalent Mass Results: (Grams/Mile)											

Total	**.0107**	**.0044**	**.0072**	**.0188**	**.3902**	**537.6**			**207.5**	**18.9120**	**0**	**1.281**
Phase: 1B												
IDLE	.0003	.0000	.0006	.0008	.0010	16.0			8.3	.4443	0	
ACCEL	.0041	.0011	.0044	.0116	.5072	376.5			89.3	5.6527	0	
DECEL	.0033	.0005	.0045	.0055	.0741	50.3			63.0	58.4595	0	
TOTAL	.0077	.0016	.0095	.0180	.5824	442.8			160.6		0	
Phase: 1B Equivalent Mass Results: (Grams/Mile)												
	.0155	**.0031**	**.0191**	**.0360**	**1.1665**	**886.9**			**160.6**	**11.4708**	**0**	**.499**
Total Equivalent Mass Results:(Grams/Mile)												
	.0076	**.0027**	**.0065**	**.0171**	**.3575**	**458.2**	**.3294**	**.0651**	**1030.9**	**22.2152**	**0**	**8.015**

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	CO2	NMHC	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00655	.01492	.66153	696.446	.00067	.00252	.6622	.66220	0.00307	14.6199
Phase: 2	.00242	.00750	.31107	412.331	.00023	.00154	.3113	.31130	0.00170	24.6973
CVS Total Mass Results:(Grams/Mile)										
	.00333	**.00915**	**.38892**	**475.443**	**.00033**	**.00176**	**.3892**	**.38925**	**.00201**	**21.4218**

Drive Metrics:

CSI	RMS
−7.181	.291

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,599,740	4,604,890	−0.112	2,865.5	2,852.2	0.467	−0.579	−0.060	0.233	0.5538
Phase: 2	10,792,200	10,945,000	−1.396	10,034.3	10,036.0	−0.017	−1.399	−2.764	−3.556	0.2847
Final:										
	15,392,000	**15,549,900**	**−1.016**	**12,899.8**	**12,888.2**	**0.090**	**−1.117**	**−0.917**	**−1.611**	**0.4119**

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 08/27/2019 11:35:43

Validator's Comments:

Test Options:

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

MINI DILUTER T/P DILUTION RATIO	9.090
Weighted Dilution factor	14.030
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)	17
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
MY15 DS 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 Request Purpose

Emissions baseline in as−recieved condition. Vehicles had AEM installed in field.

Informational Report Comments

ProcLnch − Initialization failure for INCA! Retry?