EMISSIONS SUMMARY REPORT

Vehicle ID:	**X5XXX8638 / 000M013**	Test ID:	**X5XXX8638_EPA75_020819082701 / 1111535730**		
Test Req:	**082012191009−4**	Location:	CHRYSLER TECH CENTER		
Test Type:	**EPA75**	Facility:	**Test Cell 8**	Start Time:	**08/27/2019 08:46:31**
Requestor:	**REDACTED**	Shift Sched.:	AUTO	Trace End:	**08/27/2019 09:27:50**
Driver:	**REDACTED**	Option(s):	Tailpipe modal &Bag	Inertia Weight:	6000
Operator:	**REDACTED**	Fuel Type:	MS10756	Road Load Coeff A:	13.77
Start Odometer:	70378	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:	1/1	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
Time−63	.3634	.2780	.1003	13.8578	.4574	812.1	.4282	.0933	47.5	12.1876		.211
Cycle1	.4722	.3155	.1746	6.8046	.2445	563.1	.2335	.0359	94.2	17.6915		.671
Cycle2	.1355	.0711	.0710	.0490	.2338	455.4	.2258	.0191	207.5	22.3396		1.950
Cycle11	.0384	.0058	.0359	.0198	.0020	301.6	.0014	.0001	132.6	33.6778		1.360
Cycle19	.1584	.0262	.1477	.1613	.0847	413.5	.0837	.0089	75.7	24.5347		.676
Modal Test Results:(Grams)												
Phase: 1												
IDLE	.0313	.0183	.0141	.3452	.0234	99.8	.0239	.0003	34.1	101.1028	0	
ACCEL	.1621	.0995	.0663	1.9325	.4378	821.7	.4229	.0444	165.7	12.3262	0	
CRUISE	.3444	.1893	.1632	1.5595	.1369	691.7	.1326	.0089	151.6	14.6301	0	
DECEL	.0664	.0524	.0274	.8532	.0334	124.9	.0272	.0081	95.0	80.4126	0	
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.1	.0000	0	
TOTAL	.6041	.3595	.2709	4.6904	.6315	1738.1	.6066	.0617	446.6		0	
Phase: 1	Equivalent Mass Results: (Grams/Mile)											
	.1687	**.1004**	**.0757**	**1.3102**	**.1764**	**485.5**	**.1694**	**.0172**	**446.6**	**20.8267**	**0**	**3.580**
Phase: 2												
IDLE	.0074	.0009	.0071	.0073	.0002	106.2	.0000	.0000	37.1	95.9640	0	
ACCEL	.1718	.0352	.1406	.0509	.0200	986.0	.0190	.0014	230.2	10.3138	0	
CRUISE	.0841	.0165	.0773	.0355	.0022	490.4	.0000	.0000	172.5	20.7530	0	
DECEL	.0214	.0068	.0223	.0196	.0016	96.8	.0004	.0003	118.7	104.7995	0	
TOTAL	.2846	.0593	.2472	.1133	.0240	1679.3	.0194	.0017	558.5		0	
Phase: 2	Equivalent Mass Results: (Grams/Mile)											
	.0737	**.0154**	**.0640**	**.0293**	**.0062**	**434.8**	**.0050**	**.0004**	**558.5**	**23.3776**	**0**	**3.863**
Phase: 3												
IDLE	.0041	.0004	.0047	.0061	.0020	69.6	.0020	.0000	29.6	145.3100	0	
ACCEL	.1076	.0205	.0919	.2592	.1923	753.4	.1831	.0233	161.4	13.5002	0	
CRUISE	.0993	.0147	.0963	.0339	.0448	559.6	.0418	.0062	143.2	18.1594	0	

DECEL	.0304	.0070	.0226	.0420	.0073	89.0	.0048	.0020	96.2	114.1731	0	
TOTAL	.2314	.0427	.2155	.3412	.2464	1471.7	.2317	.0315	430.3		0	

Phase: 3 Equivalent Mass Results: (Grams/Mile)

.0643	**.0118**	**.0598**	**.0947**	**.0684**	**408.7**	**.0643**	**.0087**	**430.3**	**24.8588**	**0**	**3.601**

Weighted Total Equivalent Mass Results:(Grams/Mile)

.0908	**.0320**	**.0653**	**.3122**	**.0585**	**438.1**	**.0553**	**.0062**	**1435.4**	**23.1914**	**0**	**11.044**

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	CO2	NMHC	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.16669	1.41993	.18655	488.092	.09844	.07117	.28499	0.16625	20.7349
Phase: 2	.06753	.00979	.00648	441.431	.01253	.05641	.01901	0.06629	23.0627
Phase: 3	.06309	.11562	.07012	406.318	.00950	.05497	.07961	0.06187	25.0398

CVS Weighted Mass Results:(Grams/Mile)

.08682	**.33056**	**.06123**	**441.425**	**.02947**	**.05907**	**.09069**	**.08575**	**23.0331**

Drive Metrics:

CSI	RMS
9.600	.391

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,700,390	4,734,610	−0.723	5,761.7	5,780.6	−0.328	−0.398	−1.333	−2.095	0.4969
Phase: 2	4,347,620	4,273,500	1.734	6,215.6	6,211.2	0.071	1.635	1.246	2.427	0.4019
Phase: 3	4,761,310	4,733,780	0.582	5,794.8	5,779.4	0.267	0.313	0.724	0.682	0.4448
Final (Weighted):										
	9,082,730	**9,007,640**	**0.834**	**11,996.2**	**11,991.2**	**0.042**	**0.785**	**0.397**	**1.038**	**0.3840**

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / bj739 Date: 08/27/2019 14:16:04

Validator's Comments:

Test Options:

Option	Description
DHFID Hangup value	.008
Gain	.650
Constant Grade	.000
Diesel Regeneration Required	0
MINI DILUTER T/P DILUTION RATIO	9.070

Weighted Dilution factor	13.790
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.083
Bag Methane Response Factor	1.101
Soak Duration(Hrs)	15
CVS K Coeff	283.128
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
MY15 DS Baseline with AEM applied
Engr. SpclInst
DiagRA data needs taken before and after each sequence
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
Emissions baseline in as−recieved condition. Vehicles had AEM installed in field.
Informational Report Comments
ProcLnch − Initialization failure for INCA! Retry?