

EMISSIONS SUMMARY REPORT

Vehicle ID: **X6XXX8061 / 031M287** Test ID: **X6XXX8061_EPA75_020819082801 / 1111535748**
 Test Req: **082012191012-4** Location: **CHRYSLER TECH CENTER**
 Test Type: **EPA75** Facility: **Test Cell 8** Start Time: **08/28/2019 08:08:22**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **08/28/2019 08:49:43**
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: **6000**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **19.79**
 Start Odometer: **76403** Fuel Anal.#: **10762** Road Load Coeff B: **.0384**
 AutoLoad File: **None** INCA Project File: **X6XXX8088_WorkSpace.exp** Road Load Coeff C: **0.03544**
 Cell Temp Set Pt: **75** Altitude Set Pt(ft.): **930** Hum. Set Pt (Grains): **50.00**
 Test Segment: **1/1** Vehicle Desc.: **0.00 GRAND CHERGRAY** Emissions Standard: **Fed. BIN 5**

Test Req. Purpose: Emissions baseline after application of AEM and 1000miles accumulated on MA.

Seq. Purpose: MY16 DS Baseline with AEM applied

	Individual Cycles:(Grams/Mile)											Miles
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	
Time-63	.4438	.3276	.1419	15.3005	.4165	797.8	.3941	.0834	45.9	12.3575		.209
Cycle1	.4750	.2705	.2309	5.7676	.2314	552.8	.2228	.0345	94.0	18.0559		.672
Cycle2	.1578	.0624	.0993	.0243	.1828	455.5	.1736	.0196	203.4	22.2894		1.963
Cycle11	.0428	.0090	.0384	.0150	.0003	296.1	.0000	.0000	142.4	34.3583		1.369
Cycle19	.2531	.0605	.2176	.4371	.0135	413.6	.0119	.0007	77.7	24.4909		.673

Modal Test Results:(Grams)

Phase:	Equivalent Mass Results: (Grams/Mile)											
Phase: 1	.1821	.0874	.1025	1.0957	.1432	483.9	.1362	.0171	430.9	20.9247	0	3.599
Phase: 2												
IDLE	.0108	.0019	.0094	.0051	.0001	111.5	.0000	.0000	38.7	90.8145		0
ACCEL	.1927	.0350	.1677	.0361	.0011	971.8	.0000	.0000	222.0	10.4617		0
CRUISE	.0819	.0166	.0704	.0262	.0004	474.4	.0000	.0000	178.0	21.4541		0
DECEL	.0343	.0101	.0390	.0134	.0003	111.0	.0000	.0000	122.4	91.5722		0
TOTAL	.3197	.0636	.2865	.0809	.0019	1668.7	.0000	.0000	561.1			0
Phase: 2	.0824	.0164	.0739	.0208	.0005	430.2	.0000	.0000	561.1	23.6487	0	3.879
Phase: 3												
IDLE	.0067	.0019	.0052	.0048	.0001	69.7	.0000	.0000	30.0	145.3228		0
ACCEL	.1429	.0264	.1188	.1831	.0545	731.5	.0514	.0067	154.5	13.9064		0
CRUISE	.1126	.0189	.1049	.0282	.0060	551.8	.0036	.0007	136.5	18.4209		0

Modal Test Results
 HC 0.417 0.037 .0365 .1350 .0022 93.8 .0011 .0003 95.0 107.8409 0
 TOTAL .3060 .0710 .2654 .3511 .0628 1446.8 .0561 .0077 416.0 0
 Phase: 3 Equivalent Mass Results: (Grams/Mile)
.0852 .0198 .0739 .0978 .0175 403.0 .0156 .0021 416.0 25.2235 0 3.590
Weighted Total Equivalent Mass Results:(Grams/Mile)
.1038 .0320 .0798 .2644 .0347 433.9 .0325 .0041 1408.0 23.4068 0 11.067

CVS Mass Results: (Grams/Mile)
HC CO NOX CO2 NMHC CH4 NMOG+NOX HFID Vol.MPG
 Phase: 1 .16984 1.23005 .14441 480.425 .07438 .09800 .21878 0.16775 21.0913
 Phase: 2 .07490 .01006 .00036 435.222 .00893 .06748 .00929 0.07323 23.3794
 Phase: 3 .07868 .08778 .01777 399.156 .01151 .06966 .02928 0.07787 25.4785
CVS Weighted Mass Results:(Grams/Mile)
.09558 .28383 .03494 434.695 .02318 .07439 .05812 .09406 23.3531

Drive Metrics:
CSI RMS
 18.222 .369

SAE Drive Metrics:
CED (J) CET (J) ER DistD (M) DistT (M) DistR EER ASCR IWR RMSSE (MPH)
 Phase: 1 4,784,780 4,733,720 1.079 5,790.6 5,779.5 0.192 0.877 1.758 2.019 0.4840
 Phase: 2 4,370,940 4,273,500 2.280 6,242.0 6,211.3 0.495 1.745 2.221 3.530 0.3826
 Phase: 3 4,716,550 4,734,210 -0.373 5,778.2 5,780.2 -0.035 -0.339 -0.801 -1.702 0.3935
Final (Weighted):
9,116,830 9,007,500 1.214 12,025.5 11,991.2 0.287 0.916 1.267 1.815 0.3614

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / bj739 Date: 08/28/2019 12:33:01

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 9.090

Test Options

Emission Summary Report

Weighted Dilution factor	14.080
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.083
Bag Methane Response Factor	1.101
Soak Duration(Hrs)	16
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

MY16 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 after application of AEM and 1000miles accumulated on MA.

Informational Report Comments

ProcLnch – Initialization failure for INCA! Retry?