

EMISSIONS SUMMARY REPORT

Vehicle ID:	X6XXX8088 / 045M712	Test ID:	X6XXX8088_US2XSP020719060601 / 1111011466
Test Req:	082012190660-6	Location:	CHRYSLER TECH CENTER
Test Type:	US06(2X) – using Split Bag US06	Facility:	Test Cell 7
Requestor:	REDACTED	Shift Sched.:	AUTO
Driver:	REDACTED	Option(s):	Tailpipe modal & Bag
Operator:	REDACTED	Fuel Type:	MS10756
Start Odometer:	80091	Fuel Anal.#:	10762
AutoLoad File:	None	INCA Project File:	X6XXX8088_WorkSpace.exp
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 1500 RAM WHITE
		Start Time:	06/06/2019 10:28:27
		Trace End:	06/06/2019 10:49:59
		Inertia Weight:	6500
		Road Load Coeff A:	14.90
		Road Load Coeff B:	.1843
		Road Load Coeff C:	0.03434
		Hum. Set Pt (Grains):	50.00
		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)										Tailpipe:	
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0114	.0049	.0081	.0157	.1996	678.5	.1761	.0439	55.5	14.9850		.264
Cycle2	.0064	.0033	.0040	.0109	.3465	549.2	.3360	.0377	151.9	18.5340		1.017
Cycle3	.0050	.0024	.0032	.0084	.1545	413.0	.1465	.0243	611.0	24.6369		6.234
Cycle4	.0207	.0093	.0132	.0108	.5822	882.7	.5002	.1217	99.0	11.5231		.273
Cycle5	.0239	.0165	.0078	.0157	2.3114	926.1	2.1946	.4225	66.5	10.9877		.225

Modal Test Results:(Grams)

Phase: 1												
IDLE	.0010	.0004	.0007	.0006	.0011	23.9	.0009	.0000	13.0	.1279		0
ACCEL	.0109	.0068	.0052	.0173	.9594	1030.6	.9534	.1197	230.3	7.6563		0
DECEL	.0087	.0036	.0057	.0039	.1223	131.8	.0631	.0583	129.7	77.6611		0
TOTAL	.0206	.0108	.0116	.0218	1.0828	1186.2	1.0174	.1780	373.0			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0116	.0061	.0065	.0122	.6090	667.2	.5722	.1001	373.0	15.2549	0	1.778
Phase: 2												
IDLE	.0002	.0001	.0002	.0001	.0001	5.2	.0000	.0000	2.7	.0000		0
ACCEL	.0135	.0073	.0078	.0244	.7187	1202.4	.6791	.1245	268.1	16.0492		0
CRUISE	.0112	.0049	.0080	.0214	.2026	1107.5	.1987	.0200	242.7	28.1078		0
DECEL	.0063	.0027	.0042	.0062	.0416	259.5	.0357	.0071	97.4	50.3714		0
TOTAL	.0312	.0150	.0201	.0521	.9630	2574.6	.9135	.1516	611.0			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0050	.0024	.0032	.0084	.1545	413.0	.1465	.0243	611.0	24.6369	0	6.234
Phase: 1A												
IDLE	.0004	.0001	.0003	.0003	.0001	10.7			5.3	.0000		0
ACCEL	.0051	.0031	.0029	.0124	.3883	653.1			136.9	8.7643		0
DECEL	.0041	.0014	.0030	.0026	.0164	73.7			65.3	98.7762		0
TOTAL	.0096	.0046	.0062	.0153	.4049	737.5			207.5			0
Phase: 1A	<u>Equivalent Mass Results: (Grams/Mile)</u>											

Modal Test Results										
Phase: 1B										
IDLE	.0006	.0003	.0004	.0003	.0010	13.2		7.7	.2321	0
ACCEL	.0058	.0037	.0023	.0048	.5711	377.5		93.4	5.7293	0
DECEL	.0046	.0022	.0027	.0014	.1058	58.1		64.4	49.8691	0
TOTAL	.0110	.0062	.0053	.0065	.6779	448.7		165.6		0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0222	.0125	.0107	.0130	1.3631	902.3		165.6	11.2803	0 .497
Total Equivalent Mass Results:(Grams/Mile)										
	.0065	.0032	.0040	.0092	.2553	469.4	.2410	.0411	984.0	21.6952 0 8.012

CVS Mass Results: (Grams/Mile)										
	HC	CO	NOX	CO2	NMHC	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00527	.00308	.64603	716.758	.00000	.00156	.6460	.64603	0.00080	14.1922
Phase: 2	.00071	.00018	.15876	403.965	.00000	.00125	.1588	.15876	0.00110	25.1875
CVS Total Mass Results:(Grams/Mile)										
	.00172	.00082	.26689	473.380	.00000	.00132	.2669	.26689	.00103	21.5132

Drive Metrics:	
CSI	RMS
-20.504	.408

SAE Drive Metrics:										
	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,902,040	4,923,960	-0.445	2,861.8	2,852.2	0.335	-0.784	-0.594	-0.803	0.6943
Phase: 2	11,026,400	11,250,500	-1.992	10,031.7	10,035.9	-0.042	-1.989	-10.762	-14.311	0.5028
Final:	15,928,500	16,174,500	-1.521	12,893.5	12,888.1	0.042	-1.587	-3.817	-7.380	0.5855

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 06/06/2019 11:10:50
 Validator's Comments:

Test Options:	
Option	Description
Induced Failure	
DHFID Hangup value	.005
Gain	.650

Test Options

Emission Summary Report

Constant Grade	.000
Diesel Regeneration Required	0
MINI DILUTER T/P DILUTION RATIO	8.670
Weighted Dilution factor	12.370
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
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

MY16 DS Baseline with AEM applied

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 after application of AEM and 1000miles accumulated on MA.

Test Comments

Emission Summary Report

Informational Report Comments

ProcLnch – Initialization failure for INCA! Retry?