

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
Requestor:	REDACTED	Shift Sched.:	AUTO
Driver:	REDACTED	Option(s):	Tailpipe modal & Bag
Operator:	REDACTED	Fuel Type:	MS10756
Start Odometer:	79473	Fuel Anal.#:	10762
AutoLoad File:	None	INCA Project File:	X4XXX6355.exp
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 JE BLACK
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	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.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	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.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	<u>Equivalent Mass Results: (Grams/Mile)</u>											

Modal Test Results										
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

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

Test Options

Emission Summary Report

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

Test Comments

Emission Summary Report

ProcLnch – Initialization failure for INCA! Retry?