

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
Requestor:	REDACTED	Shift Sched.:	AUTO
Driver:	REDACTED	Option(s):	Tailpipe modal & Bag
Operator:	REDACTED	Fuel Type:	MS10756
Start Odometer:	70410	Fuel Anal.#:	10762
AutoLoad File:	None	INCA Project File:	X5XXX3264.exp
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 1500 RAM GRAY
Test Req. Purpose:	Emissions baseline in as-received 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
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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
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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)

Modal Test Results

	0.007	0.044	.0072	.0188	.3902	537.6		207.5	18.9120	0	1.281
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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
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Total Equivalent Mass Results:(Grams/Mile)

	.0076	.0027	.0065	.0171	.3575	458.2	.3294	.0651	1030.9	22.2152	0	8.015
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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
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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

Test Options

Emission Summary Report

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

Test Comments

Emission Summary Report

Emissions baseline in as-received condition. Vehicles had AEM installed in field.

Informational Report Comments

ProcLnch – Initialization failure for INCA! Retry?