

EMISSIONS SUMMARY REPORT

Vehicle ID: **X5XXX2254 / 043M193** Test ID: **X5XXX2254_EPA75_020719060601 / 1111011468**
 Test Req: **082012190636-4** Location: **CHRYSLER TECH CENTER**
 Test Type: **EPA75** Facility: **Test Cell 7** Start Time: **06/06/2019 13:04:40**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **06/06/2019 13:45:34**
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: **6000**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **-3.8800**
 Start Odometer: **72970** Fuel Anal.#: **10762** Road Load Coeff B: **.2803**
 AutoLoad File: **None** INCA Project File: **X5XXX2254_WorkSpace.exp** Road Load Coeff C: **0.03172**
 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 BROWN** Emissions Standard: **Fed. BIN 5**

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

Seq. Purpose: MY15 DS Baseline with AEM applied

	Individual Cycles:(Grams/Mile)											Miles
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	
Time-63	.3877	.2206	.1913	17.5224	.4178	795.2	.4269	.0704	43.7	12.3529		.204
Cycle1	.7572	.3735	.4243	6.5489	.2342	565.2	.2373	.0265	88.8	17.6146		.671
Cycle2	.1248	.0537	.0832	.0219	.1278	442.0	.1221	.0119	195.9	23.0000		1.961
Cycle11	.0899	.0073	.0985	.0067	.0002	286.8	.0000	.0000	114.9	35.4187		1.359
Cycle19	.3545	.1046	.2794	1.7172	.0268	391.5	.0274	.0022	73.1	25.7078		.675

Modal Test Results:(Grams)

Phase: 1	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
IDLE	.0309	.0192	.0138	.1468	.0248	95.8	.0244	.0004	35.4	105.6306		0
ACCEL	.1744	.0698	.1204	2.8333	.2376	799.2	.2440	.0224	151.6	12.6565		0
CRUISE	.4912	.2204	.2838	.7446	.0970	688.7	.0947	.0048	142.8	14.7109		0
DECEL	.0663	.0473	.0439	.7269	.0494	133.0	.0356	.0135	89.1	75.7375		0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.1	.0000		0
TOTAL	.7628	.3566	.4619	4.4516	.4089	1716.7	.3987	.0411	419.0			0

Phase: 1 Equivalent Mass Results: (Grams/Mile)
.2128 .0995 .1288 1.2417 .1140 478.9 .1112 .0115 419.0 21.1281 0 3.585

Phase: 2	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
IDLE	.0051	.0000	.0070	.0026	.0000	97.0	.0000	.0000	38.6	104.8883		0
ACCEL	.2375	.0263	.2364	.0199	.0009	956.5	.0002	.0000	208.5	10.6354		0
CRUISE	.0881	.0088	.0935	.0122	.0001	449.9	.0000	.0000	155.8	22.5981		0
DECEL	.0197	.0044	.0324	.0051	.0001	103.6	.0000	.0000	114.4	97.7701		0
TOTAL	.3504	.0396	.3693	.0398	.0011	1606.8	.0002	.0000	517.4			0

Phase: 2 Equivalent Mass Results: (Grams/Mile)
.0909 .0103 .0958 .0103 .0003 416.7 .0001 .0000 517.4 24.3847 0 3.856

Phase: 3	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
IDLE	.0037	.0001	.0046	.0027	.0003	61.1	.0000	.0000	28.1	166.7821		0
ACCEL	.2266	.0413	.1939	.9388	.0742	733.6	.0707	.0106	151.1	13.8221		0
CRUISE	.1010	.0117	.1033	.0203	.0101	515.7	.0088	.0010	131.8	19.7072		0

Modal Test Results											
HC	.0415	.0009	.0426	.2292	.0025	95.8	.0018	.0002	92.6	105.4409	0
CRANK	.0000	.0000	.0000	.0000	.0000	.1	.0000	.0000	.1	.0000	0
TOTAL	.3769	.0839	.3444	1.1910	.0870	1406.4	.0813	.0118	403.6		0
Phase: 3 <u>Equivalent Mass Results:(Grams/Mile)</u>											
	.1049	.0234	.0959	.3315	.0242	391.4	.0226	.0033	403.6	25.9686	0 3.593
Weighted Total Equivalent Mass Results:(Grams/Mile)											
	.1200	.0324	.1026	.3537	.0304	422.7	.0293	.0033	1340.0	24.0035	0 11.034

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	CO2	NMHC	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.22523	1.37726	.11175	468.269	.09769	.13696	.20944	0.22580	21.6100
Phase: 2	.09650	.00105	.00041	407.662	.01346	.08873	.01388	0.09647	24.9221
Phase: 3	.11113	.26851	.02600	386.490	.02109	.09653	.04708	0.11138	26.3093
CVS Weighted Mass Results:(Grams/Mile)									
	.12719	.35971	.03051	414.397	.03301	.10086	.06352	.12736	24.5219

Drive Metrics:

CSI	RMS
-2.206	.353

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,583,140	4,606,940	-0.516	5,769.9	5,779.4	-0.165	-0.353	-2.220	-3.270	0.4003
Phase: 2	4,238,450	4,175,390	1.510	6,204.9	6,211.2	-0.101	1.587	0.334	0.456	0.3979
Phase: 3	4,634,210	4,606,840	0.594	5,782.0	5,779.4	0.045	0.546	-0.603	-1.286	0.3841
Final (Weighted):										
	8,850,700	8,782,270	0.779	11,981.7	11,990.6	-0.074	0.847	-0.621	-0.770	0.3460

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 06/06/2019 13:59:56

Validator's Comments:

Test Options:

Option	Description
Induced Failure	
DHFID Hangup value	.002
Gain	.650
Constant Grade	.000

Test Options

Emission Summary Report

Diesel Regeneration Required	0
MINI DILUTER T/P DILUTION RATIO	8.660
Weighted Dilution factor	13.510
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	19
CVS K Coeff	254.900
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 after application of AEM and 1000miles accumulated on MA.

Test Comments

Emission Summary Report

Informational Report Comments

ProcLnch – Initialization failure for INCA! Retry?