

EMISSIONS SUMMARY REPORT

Vehicle ID: **X5XXX3264 / 031M160** Test ID: **X5XXX3264_EPA75_020719072701 / 1111012129**
 Test Req: **082012190849-4** Location: **CHRYSLER TECH CENTER**
 Test Type: **EPA75** Facility: **Test Cell 7** Start Time: **07/27/2019 07:41:33**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **07/27/2019 08:21:57**
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: **6000**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **6.85**
 Start Odometer: **67191** Fuel Anal.#: **10762** Road Load Coeff B: **.1182**
 AutoLoad File: **None** INCA Project File: **X5XXX3264.exp** Road Load Coeff C: **0.03444**
 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 GRAY** Emissions Standard: **Fed. BIN 5**

Test Req. Purpose: Emissions baseline after applying AEM and accumulating 1000 miles on the SRC cycle.

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
Time-63	.3939	.2972	.1203	13.8744	.3081	849.2	.2908	.0650	47.6	11.6689		.206
Cycle1	.8032	.5730	.2525	7.2062	.1894	578.4	.1813	.0242	95.6	17.1925		.673
Cycle2	.1717	.1223	.0561	.0435	.1715	448.6	.1668	.0143	208.3	22.6326		1.961
Cycle11	.0311	.0032	.0321	.0067	.0018	300.0	.0006	.0000	139.4	33.9065		1.369
Cycle19	.1778	.0296	.1675	.0709	.0458	428.1	.0455	.0030	76.5	23.7379		.677

Modal Test Results:(Grams)

Phase: 1	IDLE	ACCEL	CRUISE	DECEL	CRANK	TOTAL
	.0414	.1830	.5655	.1126	.0000	.9025
	.0282	.1207	.3820	.1037	.0000	.6346
	.0150	.0647	.1798	.0389	.0000	.2983
	.3737	1.8887	1.7761	.9091	.0000	4.9477
	.0226	.3011	.1190	.0527	.0000	.4954
	91.7	807.9	695.2	152.1	.0	1747.0
	.0228	.3027	.1127	.0379	.0000	.4761
	.0003	.0262	.0068	.0137	.0000	.0470
	33.2	164.2	151.3	96.3	.1	445.1
	109.7580	12.5387	14.5454	66.1677	.0000	
	0	0	0	0	0	0

Phase: 1	Equivalent Mass Results: (Grams/Mile)											
	.2511	.1766	.0830	1.3766	.1378	486.1	.1325	.0131	445.1	20.8110	0	3.594

Phase: 2	IDLE	ACCEL	CRUISE	DECEL	TOTAL
	.0059	.1849	.0725	.0175	.2809
	.0001	.0260	.0113	.0041	.0414
	.0071	.1637	.0752	.0270	.2729
	.0018	.0173	.0106	.0038	.0335
	.0005	.0114	.0031	.0025	.0175
	94.0	1003.5	482.3	107.5	1687.2
	.0000	.0087	.0000	.0005	.0092
	.0000	.0001	.0000	.0005	.0006
	36.9	230.8	170.7	123.3	561.6
	108.2315	10.1391	21.1008	95.0504	
	0	0	0	0	0

Phase: 2	Equivalent Mass Results: (Grams/Mile)											
	.0724	.0107	.0703	.0086	.0045	434.8	.0024	.0002	561.6	23.3796	0	3.880

Phase: 3	IDLE	ACCEL	CRUISE
	.0029	.0889	.0902
	.0000	.0070	.0125
	.0043	.0849	.0933
	.0021	.0446	.0122
	.0011	.0975	.0205
	63.4	716.0	568.2
	.0010	.0968	.0174
	.0000	.0085	.0022
	29.8	153.7	138.8
	161.4966	14.2052	17.9057
	0	0	0

Mode	HC	CO	NOX	CO2	NMHC	CH4	NMOG+NOX	HFID	Vol.MPG
Phase 1	.0199	.0175	.0264	.0156	.0054	114.2	.0038	.0009	101.5
Phase 2	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.0
Phase 3	.2018	.0271	.2090	.0744	.1245	1461.8	.1190	.0116	423.8
TOTAL	.2217	.0446	.2354	.0910	.1299	1576.0	.1228	.0125	525.3

Phase: 3 Equivalent Mass Results:(Grams/Mile)

.0561	.0075	.0581	.0207	.0346	406.1	.0331	.0032	423.8	25.0507	0	3.599
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Weighted Total Equivalent Mass Results:(Grams/Mile)

.1049	.0441	.0696	.2948	.0403	437.5	.0377	.0037	1432.7	23.1907	0	11.074
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CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	CO2	NMHC	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.24542	1.45590	.12973	471.477	.18250	.07834	.31223	0.25579	21.4632
Phase: 2	.07168	.00619	.00413	424.679	.01343	.06158	.01756	0.07104	23.9296
Phase: 3	.05862	.01680	.03249	388.652	.00919	.05290	.04168	0.05867	26.1442

CVS Weighted Mass Results:(Grams/Mile)

.10402	.30885	.03788	424.473	.04723	.06266		.08511	.10585	23.9531
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Drive Metrics:

CSI	RMS
-3.358	.427

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,713,780	4,724,410	-0.225	5,785.0	5,779.5	0.095	-0.321	-1.642	-2.735	0.5230
Phase: 2	4,308,960	4,264,360	1.046	6,243.8	6,211.3	0.523	0.517	-0.031	0.678	0.4643
Phase: 3	4,708,700	4,724,170	-0.328	5,792.5	5,779.5	0.225	-0.554	-0.987	-2.036	0.4519
Final (Weighted):	9,019,850	8,988,630	0.347	12,033.1	11,990.8	0.353	-0.005	-0.734	-0.746	0.4208

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 07/27/2019 08:35:04

Validator's Comments:

Test Options:

Option	Description
Induced Failure	
DHFID Hangup value	.003
Gain	.650
Constant Grade	.000

Test Options

Emission Summary Report

Diesel Regeneration Required	0
MINI DILUTER T/P DILUTION RATIO	8.670
Weighted Dilution factor	13.390
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	18
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 applying AEM and accumulating 1000 miles on the SRC cycle.

Test Comments

Emission Summary Report

Informational Report Comments

ProcLnch – Initialization failure for INCA! Retry?