

EMISSIONS SUMMARY REPORT

Vehicle ID: **X4XXX6788 / 030M102** Test ID: **X4XXX6788_EPA75_020719050801 / 1111011086**
 Test Req: **082012190491-4** Location: **CHRYSLER TECH CENTER**
 Test Type: **EPA75** Facility: **Test Cell 7** Start Time: **05/08/2019 14:17:10**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **05/08/2019 14:58:12**
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: **6000**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **19.55**
 Start Odometer: **79035** Fuel Anal.#: **10762** Road Load Coeff B: **.4196**
 AutoLoad File: **None** INCA Project File: **MY14WK_ConsentDecree_2.exp** Road Load Coeff C: **0.02464**
 Cell Temp Set Pt: **75** Altitude Set Pt(ft.): **930** Hum. Set Pt (Grains): **50.00**
 Test Segment: **1/1** Vehicle Desc.: **0.00 GRAND CHERBLACK** Emissions Standard: **Fed. BIN 5**

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

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
Time-63	.2638	.1889	.0693	9.2520	.5849	853.0	.5790	.0841	46.9	11.7183		.206
Cycle1	.5632	.4147	.1604	6.0445	.3051	620.3	.2991	.0324	100.6	16.1194		.673
Cycle2	.1145	.0883	.0299	.0237	.1582	425.9	.1512	.0154	192.8	23.8647		1.963
Cycle11	.0707	.0041	.0769	.0081	.0003	304.4	.0000	.0000	112.1	33.4466		1.362
Cycle19	.2355	.0290	.2286	.2990	.0069	412.4	.0056	.0003	65.6	24.6259		.675

Modal Test Results:(Grams)

Phase: 1	IDLE	ACCEL	CRUISE	DECEL	CRANK	TOTAL
	.0347	.1228	.3770	.0858	.0000	.6204
	.0253	.0867	.2709	.0741	.0000	.4570
	.0102	.0363	.1093	.0256	.0000	.1813
	.2243	1.0500	2.0493	.8074	.0000	4.1310
	.0196	.3195	.1062	.0719	.0000	.5171
	86.9	800.6	692.5	151.6	.0	1731.6
	.0192	.3250	.1006	.0534	.0000	.4982
	.0000	.0278	.0062	.0180	.0000	.0520
	33.0	160.7	144.5	91.7	.1	429.8
	116.3527	12.6716	14.6117	66.2723	.0000	0
	0	0	0	0	0	0

Phase: 1 Equivalent Mass Results: (Grams/Mile)
.1726 .1271 .0504 1.1491 .1438 481.6 .1386 .0145 429.8 21.0090 0 3.595

Phase: 2	IDLE	ACCEL	CRUISE	DECEL	TOTAL
	.0064	.2275	.0746	.0404	.3488
	.0004	.0129	.0070	.0054	.0257
	.0068	.2300	.0772	.0512	.3652
	.0025	.0203	.0135	.0057	.0419
	.0001	.0008	.0005	.0003	.0017
	81.1	946.1	483.0	153.2	1663.4
	.0000	.0000	.0000	.0000	.0000
	.0000	.0000	.0000	.0000	.0000
	35.2	189.8	136.8	84.6	446.4
	125.5979	10.7481	21.0569	66.4467	0
	0	0	0	0	0

Phase: 2 Equivalent Mass Results: (Grams/Mile)
.0902 .0066 .0944 .0108 .0004 429.9 .0000 .0000 446.4 23.6481 0 3.869

Phase: 3	IDLE	ACCEL	CRUISE
	.0032	.1200	.1055
	.0001	.0124	.0061
	.0041	.1248	.1079
	.0023	.1928	.0147
	.0001	.0290	.0021
	54.0	702.6	529.4
	.0000	.0253	.0005
	.0000	.0061	.0002
	25.6	142.3	120.2
	188.4080	14.4609	19.2232
	0	0	0

Mode	HC	CO	NOX	CO2	NMHC	CH4	NMOG+NOX	HFID	Vol.MPG	0		
Phase 1	.0064	.0343	.0248	.0009	113.8	.0003	.0000	82.6	89.1725	0		
CRANK	.0000	.0000	.0000	.0000	.0	.0000	.0000	.0	.0000	0		
TOTAL	.2548	.0250	.2711	.2346	.0321	1399.8	.0261	.0063	370.8	0		
Phase: 3 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	.0709	.0069	.0754	.0653	.0089	389.5	.0073	.0018	370.8	26.1364	0	3.594
Weighted Total Equivalent Mass Results:(Grams/Mile)												
	.1019	.0317	.0801	.2615	.0325	429.5	.0307	.0035	1247.1	23.6245	0	11.058

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	CO2	NMHC	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.16727	1.13840	.13948	474.033	.12550	.04765	.26498	0.17007	21.3629
Phase: 2	.08673	.00414	.00017	411.857	.00506	.08657	.00523	0.08607	24.6823
Phase: 3	.07614	.05486	.01027	382.191	.00754	.07394	.01781	0.07670	26.6158
CVS Weighted Mass Results:(Grams/Mile)									
	.10050	.25298	.03179	416.591	.03068	.07504	.06248	.10090	24.3608

Drive Metrics:

CSI	RMS
-8.463	.311

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,746,950	4,769,870	-0.480	5,786.8	5,779.4	0.127	-0.610	-1.637	-2.483	0.3496
Phase: 2	4,465,160	4,476,020	-0.243	6,225.2	6,211.2	0.225	-0.469	-0.763	-0.836	0.3225
Phase: 3	4,736,130	4,770,010	-0.710	5,783.8	5,780.1	0.064	-0.780	-1.620	-2.360	0.3844
Final (Weighted):										
	9,205,940	9,245,970	-0.433	12,010.3	11,991.0	0.160	-0.596	-1.238	-1.581	0.3039

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 05/08/2019 15:12:43

Validator's Comments:

Test Options:

Option	Description
Induced Failure	
DHFID Hangup value	.005
Gain	.650
Constant Grade	.000

Test Options

Emission Summary Report

Diesel Regeneration Required	0
MINI DILUTER T/P DILUTION RATIO	8.720
Weighted Dilution factor	13.540
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
CVS K Coeff	254.900
Soak Duration(Hrs)	26
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

MY14 WK 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.