

EMISSIONS SUMMARY REPORT

Vehicle ID:	X4XXX7698 / 031M303	Test ID:	X4XXX7698_EPA75_020719100301 / 1111013052
Test Req:	082012191216-2	Location:	CHRYSLER TECH CENTER
Test Type:	EPA75	Facility:	Test Cell 7
Requestor:	REDACTED	Shift Sched.:	AUTO
Driver:	REDACTED	Option(s):	Tailpipe modal & Bag
Operator:	REDACTED	Fuel Type:	MS10756
Start Odometer:	75117	Fuel Anal.#:	10762
AutoLoad File:	None	INCA Project File:	X4XXX6355.exp
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	1/1	Vehicle Desc.:	0.00 GRAND CHERBROWN
Test Req. Purpose:	X4XXX7698 – AEM Baseline Post Regen		
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	.2512	.1531	.0825	10.7078	.5464	820.6	.5711	.0719	43.2	12.1339		.192	
Cycle1	.7257	.5229	.2187	7.0055	.3098	620.0	.3075	.0336	99.1	16.0675		.674	
Cycle2	.1538	.1255	.0326	.0217	.1424	430.1	.1366	.0133	188.7	23.6361		1.966	
Cycle11	.1114	.0151	.1068	.0030	.0008	316.8	.0000	.0000	127.0	32.0648		1.366	
Cycle19	.1750	.0227	.1703	.4882	.0096	408.2	.0080	.0004	72.8	24.8600		.675	

Modal Test Results:(Grams)

Phase: 1	IDLE	ACCEL	CRUISE	DECEL	CRANK	TOTAL
	.0475	.1611	.5015	.1116	.0000	.8217
	.0355	.1201	.3651	.0963	.0000	.6170
	.0128	.0438	.1391	.0300	.0000	.2259
	.2574	1.2798	2.3370	.8959	.0000	4.7701
	.0208	.2551	.1204	.1067	.0000	.5030
	102.1	768.2	698.5	165.8	.0	1734.6
	.0211	.0256	.0067	.0170	.0000	.4866
	.0002	.0256	.0067	.0170	.0000	.0495
	33.1	152.9	146.5	94.7	.1	427.3
	99.2174	13.2064	14.4693	60.6536	.0000	
	0	0	0	0	0	0

Phase: 1 Equivalent Mass Results: (Grams/Mile)

.2281 .1713 .0627 1.3240 .1396 481.5 .1351 .0137 427.3 21.0332 0 3.603

Phase: 2	IDLE	ACCEL	CRUISE	DECEL	TOTAL
	.0086	.2137	.1205	.0342	.3771
	.0022	.0267	.0237	.0113	.0638
	.0066	.1932	.1106	.0365	.3469
	.0012	.0256	.0062	.0017	.0347
	.0005	.0032	.0012	.0007	.0056
	99.1	928.7	519.1	141.5	1688.4
	.0000	.0003	.0000	.0000	.0003
	.0000	.0000	.0000	.0000	.0000
	40.5	200.8	165.4	112.9	519.6
	102.7565	10.9450	19.5915	71.6063	
	0	0	0	0	0

Phase: 2 Equivalent Mass Results: (Grams/Mile)

.0972 .0165 .0895 .0090 .0014 435.4 .0001 .0000 519.6 23.3753 0 3.878

Phase: 3	IDLE	ACCEL	CRUISE
	.0050	.1399	.1079
	.0009	.0147	.0133
	.0045	.1344	.1036
	.0014	.2999	.0110
	.0002	.0364	.0026
	67.1	681.4	551.8
	.0000	.0334	.0008
	.0000	.0074	.0001
	28.0	141.5	131.6
	151.8420	14.9224	18.4225
	0	0	0

Modal Test Results											
HC	.032	.0167	.0263	.0390	.0013	110.8	.0007	.0000	97.5	91.5647	0
CRANK	.0000	.0000	.0000	.0000	.0000	.2	.0000	.0000	.1	.0000	0
TOTAL	.2750	.0355	.2689	.3514	.0405	1411.2	.0349	.0075	398.7		0
Phase: 3 <u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0763	.0098	.0746	.0975	.0112	391.7	.0097	.0021	398.7	25.9324	0 3.603
Weighted Total Equivalent Mass Results:(Grams/Mile)											
	.1186	.0467	.0798	.3056	.0327	432.9	.0307	.0034	1345.6	23.4539	0 11.084

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.22448	1.33909	.13355	.16880	469.144	.05993	.30235	0.22486	21.5672
Phase: 2	.08987	.01314	.00178	.00949	426.892	.08109	.01126	0.08535	23.8151
Phase: 3	.07214	.08714	.01107	.00715	381.322	.06902	.01821	0.07171	26.6823
CVS Weighted Mass Results:(Grams/Mile)									
	.11288	.30806	.03162	.04184	423.132	.07339	.07346	.11050	24.0087

Drive Metrics:

CSI	RMS
19.203	.425

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,626,270	4,555,980	1.543	5,798.4	5,779.5	0.328	1.196	0.781	0.912	0.5370
Phase: 2	4,308,020	4,207,500	2.389	6,239.5	6,211.3	0.455	1.889	2.931	4.620	0.4200
Phase: 3	4,643,290	4,555,810	1.920	5,797.6	5,779.5	0.314	1.576	1.672	1.870	0.4947
Final (Weighted):										
	8,943,990	8,763,380	2.061	12,037.5	11,990.8	0.390	1.638	2.005	3.127	0.4177

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 10/03/2019 08:58:28

Validator's Comments:

Test Options:

Option	Description
DHFID Hangup value	.007
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	8.580
Weighted Dilution factor	13.410
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	20
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

MY14 WK Baseline with AEM applied

Engr. SpclInst

Engineer needs to collect DiagaRA data at the end of drive cycle.

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

Test Comments

Emission Summary Report

X4XXX7698 – AEM Baseline Post Regen