

EMISSIONS SUMMARY REPORT

Vehicle ID: **X5XXX3264 / 031M160** Test ID: **X5XXX3264_EPA75_020720100801 / 1111016945**
 Test Req: **082012201403-3** Location: **CHRYSLER TECH CENTER**
 Test Type: **EPA75** Facility: **Test Cell 7** Start Time: **10/08/2020 10:11:36**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **10/08/2020 10:52:15**
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: (lbs) **6000**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **2.36**
 Start Odometer: **117039** Fuel Anal.#: **10917** Road Load Coeff B: **.2178**
 AutoLoad File: **None** INCA Project File: **X5XXX3264_15MYDS30.exp** Road Load Coeff C: **0.03345**
 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: **EPA**
 Test Req. Purpose: **X5XXX3264 – Consent Decree – Tailpipe Emissions**
 Seq. Purpose: **cFTP75 – MY 15 DS – Consent Decree Tailpipe**

	Individual Cycles:(Grams/Mile) Tailpipe:											
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Time-63	.2953	.2081	.0889	11.5605	.4845	805.7	.4743	.0970	48.6	12.3328		.206
Cycle1	.6325	.4785	.1672	9.2248	.2520	540.8	.2459	.0360	96.6	18.2527		.673
Cycle2	.2318	.1595	.0796	.0884	.2146	445.6	.2087	.0176	204.7	22.7710		1.962
Cycle11	.0395	.0101	.0324	.0000	.0016	293.7	.0006	.0000	152.8	34.5971		1.363
Cycle19	.1762	.0301	.1630	.2972	.0372	403.6	.0360	.0033	74.8	25.1236		.672

Modal Test Results:(Grams)

Phase:	IDLE	ACCEL	CRUISE	DECEL	CRANK	TOTAL
Phase: 1	.0380	.2140	.5530	.1161	.0000	.9211
	.0238	.1501	.3818	.1055	.0000	.6612
	.0149	.0666	.1775	.0266	.0000	.2855
	.1846	1.5858	3.6761	.9364	.0000	6.3830
	.0172	.3797	.1439	.0632	.0000	.6039
	84.4	788.2	679.8	146.2	.0	1698.6
	.0165	.3922	.1361	.0409	.0000	.5857
	.0002	.0275	.0111	.0202	.0000	.0590
	34.1	164.3	150.1	95.8	.1	444.5
	120.5618	12.8616	14.8004	68.8276		
	0	0	0	0	0	0

Phase: 1 Equivalent Mass Results: (Grams/Mile)
.2568 .1843 .0796 1.7794 .1684 473.5 .1633 .0164 444.5 21.3056 0 3.587

Phase:	IDLE	ACCEL	CRUISE	DECEL	TOTAL
Phase: 2	.0100	.2343	.0986	.0290	.3719
	.0016	.0431	.0228	.0107	.0782
	.0088	.1969	.0894	.0315	.3266
	.0000	.0010	.0000	.0000	.0011
	.0003	.0142	.0023	.0017	.0185
	86.2	969.9	481.2	104.7	1642.0
	.0000	.0109	.0000	.0002	.0111
	.0000	.0016	.0000	.0002	.0018
	37.5	234.7	181.7	116.6	570.4
	118.2799	10.4825	21.1418	96.8278	
	0	0	0	0	0

Phase: 2 Equivalent Mass Results: (Grams/Mile)
.0964 .0203 .0846 .0003 .0048 425.5 .0029 .0005 570.4 23.8698 0 3.859

Phase:	IDLE	ACCEL	CRUISE
Phase: 3	.0062	.1206	.1346
	.0011	.0180	.0230
	.0055	.1060	.1267
	.0011	.2286	.0120
	.0009	.1211	.0198
	62.6	685.2	547.1
	.0005	.1169	.0169
	.0000	.0156	.0027
	29.4	151.4	131.8
	161.4722	14.8391	18.5879
	0	0	0

Modal Test Results												
HC	.0003	.0279	.0208	.0055	103.6	.0035	.0012	97.0	97.7374	0		
CRANK	.0000	.0000	.0000	.0000	.1	.0000	.0000	.1		0		
TOTAL	.2879	.0514	.2661	.2624	.1474	1398.5	.1378	.0195	409.8	0		
Phase: 3 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	.0803	.0143	.0743	.0732	.0411	390.3	.0385	.0054	409.8	26.0675	0	3.583
Weighted Total Equivalent Mass Results:(Grams/Mile)												
	.1252	.0526	.0807	.3889	.0487	425.8	.0459	.0051	1424.7	23.8304	0	11.029

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.24995	1.82966	.16467	.19689	474.504	.07658	.3616	0.26852	21.2559
Phase: 2	.09324	.00000	.00417	.01975	436.476	.07813	.0239	0.09285	23.3233
Phase: 3	.08048	.08285	.04042	.01261	391.696	.07207	.0530	0.08002	25.9336
CVS Weighted Mass Results:(Grams/Mile)									
	.12220	.40175	.04737	.05448	432.064	.07615	.1019	.12572	23.4992

Drive Metrics:

CSI	RMS
-1.348	.314

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,694,570	4,724,510	-0.634	5,773.6	5,779.3	-0.098	-0.539	-2.320	-3.488	0.3568
Phase: 2	4,280,850	4,263,780	0.400	6,208.7	6,211.3	-0.042	0.440	0.597	1.178	0.3338
Phase: 3	4,701,780	4,724,650	-0.484	5,767.9	5,779.2	-0.196	-0.289	-1.510	-2.189	0.3652
Final (Weighted):										
	8,979,530	8,988,370	-0.098	11,979.1	11,990.6	-0.096	-0.002	-0.777	-0.677	0.3064

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / spp23 Date: 10/08/2020 15:05:02

Validator's Comments:

Test Options:

Option	Description
DHFID Hangup value	.019
Gain	.650
Constant Grade	.000

Test Options

Emission Summary Report

Diesel Regeneration Required	0
Background Particles for PN	.000
Background Particulates (PM)	.000
MINI DILUTER T/P DILUTION RATIO	9.340
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	21
CVS K Coeff	254.900
Threshold	350
Pre Test Vehicle Temperature	Cold
Trace Start Method	Crank (Pendant)
Charging Type	CS
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
Cert Mode	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
Weighted Dilution factor	13.020

Sequence Purpose

cFTP75 – MY 15 DS – Consent Decree Tailpipe

Req Spcl Inst

Connect DCAN Cable – Automatically setting ROLLS MODE!

Sampling Type List

DCVS , Diesel Tailpipe / Particulates – Multiple

Test Request Purpose

X5XXX3264 – Consent Decree – Tailpipe Emissions

The results in this report relate only to this specific test.