

EMISSIONS SUMMARY REPORT

Vehicle ID:	X5XXX3264 / 031M160	Test ID:	X5XXX3264_US2XSP020720100801 / 1111016947
Test Req:	082012201403-5	Location:	CHRYSLER TECH CENTER
Test Type:	US06(2X) – using Split Bag US06	Facility:	Test Cell 7
Requestor:	REDACTED	Shift Sched.:	AUTO
Driver:	REDACTED	Option(s):	Tailpipe modal & Bag
Operator:	REDACTED	Fuel Type:	MS10756
Start Odometer:	117071	Fuel Anal.#:	10917
AutoLoad File:	None	INCA Project File:	X5XXX3264_15MYDS30.exp
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 1500 RAM GRAY
Test Req. Purpose:	X5XXX3264 – Consent Decree – Tailpipe Emissions		
Seq. Purpose:	US06 – MY15 DS – Consent Decree Tailpipe		

Individual Cycles:(Grams/Mile) Tailpipe:												
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0088	.0036	.0078	.0000	.0788	592.2	.0715	.0180	52.5	17.1881		.267
Cycle2	.0056	.0024	.0046	.0000	.1711	472.5	.1647	.0234	145.4	21.5581		1.019
Cycle3	.0046	.0019	.0037	.0000	.0878	371.8	.0828	.0164	605.4	27.3532		6.232
Cycle4	.0155	.0047	.0150	.0001	.3200	753.9	.2754	.0756	89.8	13.4949		.276
Cycle5	.0126	.0062	.0093	.0000	1.5962	791.4	1.5562	.3509	61.0	12.8638		.224

Modal Test Results:(Grams)												
Phase: 1												
IDLE	.0010	.0002	.0009	.0000	.0009	24.3	.0008	.0000	13.6	.2512		0
ACCEL	.0075	.0040	.0051	.0000	.5474	880.4	.5678	.0797	202.1	8.9259		0
DECEL	.0067	.0018	.0069	.0000	.0931	120.4	.0430	.0484	133.0	85.4952		0
TOTAL	.0151	.0061	.0130	.0000	.6413	1025.2	.6116	.1281	348.7			0

Phase: 1 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	.0085	.0034	.0073	.0000	.3590	573.9	.3424	.0717	348.7	17.7271	0	1.786

Phase: 2												
IDLE	.0002	.0000	.0002	.0000	.0000	5.4	.0000	.0000	2.9			0
ACCEL	.0097	.0049	.0067	.0000	.4003	1041.0	.3768	.0802	239.8	18.5347		0
CRUISE	.0123	.0045	.0108	.0000	.1229	1030.2	.1197	.0177	257.1	30.1942		0
DECEL	.0064	.0022	.0054	.0000	.0237	240.6	.0197	.0045	105.7	54.1222		0
TOTAL	.0286	.0116	.0231	.0000	.5470	2317.2	.5162	.1024	605.4			0

Phase: 2 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	.0046	.0019	.0037	.0000	.0878	371.8	.0828	.0164	605.4	27.3532	0	6.232

Phase: 1A												
IDLE	.0004	.0001	.0004	.0000	.0001	10.6			5.5			0
ACCEL	.0040	.0022	.0027	.0000	.1875	555.9			122.4	10.3096		0
DECEL	.0036	.0011	.0036	.0000	.0078	73.0			70.0	100.7349		0
TOTAL	.0080	.0034	.0067	.0000	.1954	639.6			197.9			0

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

Modal Test Results										
Phase: 1B										
IDLE	.0005	.0001	.0005	.0000	.0008	13.7		8.1	.4471	0
ACCEL	.0034	.0018	.0024	.0000	.3599	324.6		79.7	6.5606	0
DECEL	.0032	.0008	.0033	.0000	.0852	47.4		63.0	62.4150	0
TOTAL	.0071	.0027	.0062	.0000	.4459	385.6		150.8		0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0142	.0054	.0125	.0000	.8914	770.7		150.8	13.1975	0 .500
Total Equivalent Mass Results:(Grams/Mile)										
	.0055	.0022	.0045	.0000	.1482	416.9	.1407	.0287	954.1	24.4015 0 8.018

CVS Mass Results: (Grams/Mile)										
	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00525	.00000	.42436	.00192	670.778	.00133	.4263	.4263	0.00316	15.1649
Phase: 2	.00148	.00000	.10030	.00086	389.437	.00113	.1012	.1012	0.00192	26.1585
CVS Total Mass Results:(Grams/Mile)										
	.00232	.00000	.17250	.00110	452.115	.00117	.1736	.1736	.00220	22.5126

Drive Metrics:

CSI	RMS
-17.165	.362

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,596,270	4,601,340	-0.110	2,874.5	2,852.1	0.786	-0.897	-0.844	-0.364	0.6974
Phase: 2	10,689,300	10,924,600	-2.154	10,030.9	10,035.6	-0.047	-2.153	-8.506	-11.195	0.3553
Final:	15,285,500	15,525,900	-1.548	12,905.4	12,887.7	0.137	-1.712	-3.272	-5.635	0.5173

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 10/08/2020 13:07:32

Validator's Comments:

Test Options:

Option	Description
DHFID Hangup value	.019
Gain	.650

Test Options

Emission Summary Report

Constant Grade	.000
Diesel Regeneration Required	0
Background Particles for PN	.000
Background Particulates (PM)	.000
MINI DILUTER T/P DILUTION RATIO	9.410
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	23
Threshold	350
CVS K Coeff	539.114
Charging Type	CS
Trace Start Method	Flying
Pre Test Vehicle Temperature	Hot
Actual Driver	Human
CVS Venturi Selection	Medium
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
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
Wrap Cursor	Y
Weighted Dilution factor	12.780

Sequence Purpose

US06 – MY15 DS – Consent Decree Tailpipe

Req Spcl Inst

Use 8 ft exhaust pipe and Extra cooling.

Connect DCAN Cable – Automatically setting ROLLS MODE!

Sampling Type List

None -- None -- DCVS , Diesel Tailpipe / Particulates – Single

Test Request Purpose

X5XXX3264 – Consent Decree – Tailpipe Emissions

Test Comments

Emission Summary Report

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