

**EMISSIONS SUMMARY REPORT**

Vehicle ID: **X5XXX3264 / 031M160** Test ID: **X5XXX3264\_SC032X020720100801 / 1111016948**  
 Test Req: **082012201403-6** Location: **CHRYSLER TECH CENTER**  
 Test Type: **SC03(2X)** Facility: **Test Cell 7** Start Time: **10/08/2020 13:31:40**  
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **10/08/2020 14:00:54**  
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: (lbs) **6000**  
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **2.36**  
 Start Odometer: **117087** 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: **95** Altitude Set Pt(ft.): **930** Hum. Set Pt (Grains): **100.00**  
 Test Segment: **3/3** Vehicle Desc.: **0.00 1500 RAM GRAY** Emissions Standard: **EPA**  
 Test Req. Purpose: **X5XXX3264 – Consent Decree – Tailpipe Emissions**  
 Seq. Purpose: **SC03 – My 15 DS – Consent Decree Tailpipe**

Individual Cycles:(Grams/Mile)		Tailpipe:										
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.2579	.0274	.2543	.0253	.0130	4134.3	.0000	.0000	7.8	2.4610		.005
Cycle2	.0905	.0216	.0783	.6086	.1290	500.2	.1226	.0187	134.9	20.3010		.990
Cycle3	.0410	.0070	.0366	.0000	.1315	511.4	.1207	.0240	62.5	19.9085		.395
Cycle4	.0393	.0054	.0380	.0000	.0481	510.8	.0444	.0105	102.2	19.9087		.753
Cycle5	.0106	.0015	.0118	.0001	.0026	352.9	.0017	.0005	137.0	28.8238		1.209
Cycle6	.0196	.0027	.0218	.0000	.0007	545.1	.0000	.0000	50.2	18.6691		.232

**Modal Test Results:(Grams)**

Phase: 1

IDLE	.0054	.0006	.0055	.0002	.0005	109.5	.0000	.0000	37.0	93.3426		0
ACCEL	.1179	.0226	.1044	.5890	.2032	1105.4	.1953	.0329	259.8	9.1981		0
CRUISE	.0043	.0006	.0048	.0000	.0009	151.9	.0008	.0000	52.5	66.9406		0
DECEL	.0264	.0068	.0263	.0132	.0146	287.2	.0084	.0036	145.4	35.4437		0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.0			0
TOTAL	.1540	.0307	.1410	.6025	.2192	1654.1	.2045	.0365	494.7			0

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

	<b>.0430</b>	<b>.0086</b>	<b>.0394</b>	<b>.1681</b>	<b>.0612</b>	<b>461.6</b>	<b>.0571</b>	<b>.0102</b>	<b>494.7</b>	<b>22.0064</b>	<b>0</b>	<b>3.583</b>
--	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	----------------	----------	--------------

**CVS Mass Results: (Grams/Mile)**

	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.04073	.15606	.06412	.01068	473.049	.03461	.0748	.0748	0.04305	21.4957

**Drive Metrics:**

CSI	RMS
-1.034	.227

## Emission Summary Report

...

**SAE Drive Metrics:**

	<b>CED (J)</b>	<b>CET (J)</b>	<b>ER</b>	<b>DistD (M)</b>	<b>DistT (M)</b>	<b>DistR</b>	<b>EER</b>	<b>ASCR</b>	<b>IWR</b>	<b>RMSSE (MPH)</b>
Phase: 1	4,798,500	4,748,120	1.061	5,767.0	5,760.7	0.109	0.942	-0.217	-0.025	0.3762

**Test Validation:** Valid:    Invalid:    Retest:    Accept:    NIC: system    Date: 10/08/2020 14:17:58

Validator's Comments:

**Test Options:**

<b>Option</b>	<b>Description</b>
DHFID Hangup value	.019
Gain	.650
Initial Solar Intensity (in KW/Square meter)	.854
Constant Grade	.000
Diesel Regeneration Required	0
Average Solar Intensity (in KW/Square meter)	.808
Background Particles for PN	.000
Background Particulates (PM)	.000
MINI DILUTER T/P DILUTION RATIO	9.580
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	24
CVS K Coeff	254.900
Threshold	350
Solar Intensity (in percent)	87.000
Trace Start Method	Crank (Pendant)
Charging Type	CS
Pre Test Vehicle Temperature	Hot
Actual Driver	Human
Solar Profile Name	JA_850
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

10/08/20 15:00:53

2/3

## Test Options

## Emission Summary Report

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
Solar Required	Y
Weighted Dilution factor	12.370

### Sequence Purpose

SC03 – My 15 DS – Consent Decree Tailpipe

### Req Spcl Inst

With the vehicle on, close all windows 1) For automatic systems press the Auto button and set temp to 72F( 22 C). \*\* a) Do not depress any other buttons on HVAC 2) For Manual systems \*\* a) Turn AC on \*\* b) Set AC max \*\* c) Set system to recirculate \*\* d) Set fan speed to highest setting \*\* e) Set temperature to coldest setting

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

### Informational Report Comments

SolInit – Solar simulator is in manual mode. Please place in remote mode.

SolStop – Do you want to keep the solar lights on?

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