

EMISSIONS SUMMARY REPORT

Vehicle ID: **X6XXX8061 / 031M287** Test ID: **X6XXX8061_SC032X020819082801 / 1111535753**
 Test Req: **082012191019-3** Location: **CHRYSLER TECH CENTER**
 Test Type: **SC03(2X)** Facility: **Test Cell 8** Start Time: **08/28/2019 13:07:35**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **08/28/2019 13:37:38**
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: **6000**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **19.79**
 Start Odometer: **76474** Fuel Anal.#: **10762** Road Load Coeff B: **.0384**
 AutoLoad File: **None** INCA Project File: **X6XXX8088_WorkSpace.exp** Road Load Coeff C: **0.03544**
 Cell Temp Set Pt: **95** Altitude Set Pt(ft.): **930** Hum. Set Pt (Grains): **100.00**
 Test Segment: **3/3** Vehicle Desc.: **0.00 GRAND CHERGRAY** Emissions Standard: **Fed. BIN 5**

Test Req. Purpose: Emissions baseline after application of AEM and 1000miles accumulated on MA. Sequence completion following DPF regen during ETS request 082012191012.

Seq. Purpose: MY16 DS baseline with AEM applied

Individual Cycles:(Grams/Mile)

	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.3768	.0996	.2917	.2587	.0104	4925.9	.0000	.0000	8.1	2.0651		.005
Cycle2	.0845	.0158	.0788	.1585	.0658	508.7	.0610	.0097	144.4	19.9715		.986
Cycle3	.0559	.0096	.0527	.0475	.0558	527.7	.0495	.0120	66.9	19.2630		.392
Cycle4	.0224	.0042	.0207	.0275	.0090	535.4	.0071	.0015	103.2	19.0161		.751
Cycle5	.0105	.0033	.0087	.0270	.0009	379.5	.0000	.0000	146.9	26.7729		1.211
Cycle6	.0279	.0078	.0229	.0429	.0013	641.7	.0000	.0000	56.0	15.8464		.230

Modal Test Results:(Grams)

Phase: 1

IDLE	.0054	.0011	.0049	.0067	.0003	122.9	.0000	.0000	39.0	82.7090	0
ACCEL	.1093	.0200	.1010	.1890	.0897	1196.9	.0829	.0146	273.3	8.4965	0
CRUISE	.0070	.0015	.0052	.0106	.0005	166.0	.0002	.0000	57.4	61.2861	0
DECEL	.0211	.0061	.0199	.0331	.0044	254.9	.0018	.0008	155.8	39.8874	0
TOTAL	.1429	.0287	.1310	.2394	.0949	1740.6	.0849	.0154	525.6		0

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

.0400 .0080 .0367 .0670 .0266 487.0 .0238 .0043 525.6 20.8848 0 3.574

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	CO2	NMHC	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.03859	.06404	.02797	483.690	.01224	.03287	.0402	.04020	0.04355	21.0143

Drive Metrics:

CSI	RMS
2.776	.264

SAE Drive Metrics:

CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
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Emission Summary Report

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Phase: 1 4,796,700 4,756,150 0.853 5,749.9 5,760.9 -0.191 1.034 0.928 1.378 0.4457

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 08/28/2019 13:52:59

Validator's Comments:

Test Options:

Option	Description
DHFID Hangup value	.011
Gain	.650
Initial Solar Intensity (in KW/Square meter)	.886
Constant Grade	.000
Diesel Regeneration Required	0
Average Solar Intensity (in KW/Square meter)	.856
MINI DILUTER T/P DILUTION RATIO	9.090
Weighted Dilution factor	27.830
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.083
Bag Methane Response Factor	1.101
Soak Duration(Hrs)	3
Threshold	350
CVS K Coeff	638.530
Solar Intensity (in percent)	84.000
Trace Start Method	Crank (Pendant)
Charging Type	CS
Template Emissions CAT	EPA
Pre Test Vehicle Temperature	Hot
Actual Driver	Human
Solar Profile Name	JA_850
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
Diesel Test	Y

Test Options

Emission Summary Report

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

Sequence Purpose

MY16 DS baseline with AEM applied

Engr. SpclInst

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

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!

Shift Comments

D| Dual Exhaust

Sampling Type List

None — None — DCVS , Diesel Tailpipe / Particulates – Multiple

Test Request Purpose

Emissions baseline after application of AEM and 1000miles accumulated on MA. Sequence completion following DPF regen during ETS request 082012191012.

Informational Report Comments

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

Proclnch – Initialization failure for INCA! Retry?

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