

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>T5305PV57 / GRW2758</b>	Test ID:	<b>T5305PV57_US2XSP020821031602 / 1111541938</b>
Test Req:	<b>082012210457-3</b>	Location:	CHRYSLER TECH CENTER
Test Type:	<b>US06(2X) – using Split Bag US06</b>	Facility:	<b>Test Cell 8</b>
Requestor:	<b>REDACTED</b>	Shift Sched.:	AUTO
Driver:	<b>REDACTED</b>	Option(s):	Tailpipe modal & Bag
Operator:	<b>REDACTED</b>	Fuel Type:	MS10756
Start Odometer:	100755	Fuel Anal.#:	10958
AutoLoad File:	None	INCA Project File:	T5305PV57_15DS30_MI_v2.exp
Cell Temp Set Pt (F):	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 DS DARK RED
Test Req. Purpose:	Consent Decree IUVT – Extra REGEN Cycles		
Seq. Purpose:			

Start Time:	<b>03/16/2021 14:26:01</b>
Trace End:	<b>03/16/2021 14:47:32</b>
Inertia Weight: (lbs)	5500
Road Load Coeff A:	3.42
Road Load Coeff B:	.2013
Road Load Coeff C:	0.03464
Hum. Set Pt (Grains):	50.00
Emissions Standard:	EPA

	<b>Individual Cycles:(Grams/Mile)</b>								<b>Tailpipe:</b>			
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0152	.0082	.0101	.0194	.0281	555.2	.0255	.0075	52.2	18.3322		.266
Cycle2	.0095	.0062	.0048	.0128	.0494	454.6	.0480	.0073	142.5	22.3623		1.016
Cycle3	.0056	.0030	.0041	.0107	.0164	370.4	.0155	.0031	585.2	27.4996		6.228
Cycle4	.0130	.0043	.0191	.0279	.0830	669.6	.0661	.0237	87.6	15.1858		.274
Cycle5	.0201	.0103	.0141	.0262	.4359	776.4	.4135	.0962	59.0	13.1113		.220

**Modal Test Results:(Grams)**

Phase: 1												
IDLE	.0009	.0003	.0011	.0014	.0001	27.6	.0001	.0000	13.2	.0369		0
ACCEL	.0130	.0085	.0067	.0218	.1693	837.5	.1610	.0345	212.5	9.8594		0
DECEL	.0077	.0031	.0081	.0084	.0070	99.1	.0037	.0026	115.7	98.7550		0
TOTAL	.0217	.0119	.0159	.0316	.1764	964.2	.1648	.0371	341.4			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0122</b>	<b>.0067</b>	<b>.0090</b>	<b>.0178</b>	<b>.0993</b>	<b>542.7</b>	<b>.0928</b>	<b>.0209</b>	<b>341.4</b>	<b>18.7376</b>	<b>0</b>	<b>1.776</b>
Phase: 2												
IDLE	.0002	.0000	.0002	.0002	.0000	6.1	.0000	.0000	2.9	.3362		0
ACCEL	.0130	.0084	.0077	.0277	.0672	1025.2	.0630	.0148	240.4	18.8080		0
CRUISE	.0156	.0084	.0111	.0290	.0282	1030.8	.0271	.0040	245.0	30.2823		0
DECEL	.0059	.0021	.0065	.0095	.0067	245.0	.0063	.0007	96.9	52.4442		0
TOTAL	.0348	.0189	.0255	.0664	.1021	2307.0	.0964	.0195	585.2			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0056</b>	<b>.0030</b>	<b>.0041</b>	<b>.0107</b>	<b>.0164</b>	<b>370.4</b>	<b>.0155</b>	<b>.0031</b>	<b>585.2</b>	<b>27.4996</b>	<b>0</b>	<b>6.228</b>
Phase: 1A												
IDLE	.0005	.0002	.0005	.0005	.0000	11.4			5.5			0
ACCEL	.0080	.0061	.0027	.0129	.0559	529.8			121.0	10.7900		0
DECEL	.0052	.0022	.0044	.0048	.0018	68.6			68.2	107.0712		0
TOTAL	.0137	.0084	.0076	.0182	.0577	609.8			194.7			0
Phase: 1A	<u>Equivalent Mass Results: (Grams/Mile)</u>											

Modal Test Results										
Phase: 1B										
IDLE	.0004	.0001	.0007	.0009	.0001	16.2		7.7	.0628	0
ACCEL	.0050	.0024	.0040	.0089	.1134	307.7		91.5	8.2588	0
DECEL	.0026	.0009	.0037	.0036	.0053	30.5		47.5	81.3736	0
TOTAL	.0080	.0035	.0083	.0134	.1187	354.4		146.6		0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0162	.0070	.0169	.0271	.2403	717.2		146.6	14.1903	0 .494
Total Equivalent Mass Results:(Grams/Mile)										
	.0071	.0038	.0052	.0122	.0348	408.7	.0326	.0071	926.6	24.8775 0 8.005

CVS Mass Results: (Grams/Mile)										
	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00670	.00294	.11332	.00305	621.327	.00151	.1164	.1164	0.00449	16.3859
Phase: 2	.00158	.00138	.01851	.00000	378.524	.00113	.0185	.0185	0.00096	26.8489
CVS Total Mass Results:(Grams/Mile)										
	.00271	.00173	.03955	.00068	432.411	.00122	.0402	.0402	.00174	23.5548

Drive Metrics:	
CSI	RMS
-14.998	.357

SAE Drive Metrics:										
	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,240,190	4,283,330	-1.007	2,858.2	2,852.0	0.215	-1.235	-1.140	-1.181	0.6127
Phase: 2	10,427,300	10,625,100	-1.861	10,023.6	10,035.8	-0.121	-1.773	-9.707	-12.887	0.4319
<b>Final:</b>	<b>14,667,500</b>	<b>14,908,400</b>	<b>-1.616</b>	<b>12,881.7</b>	<b>12,887.8</b>	<b>-0.047</b>	<b>-1.595</b>	<b>-3.850</b>	<b>-6.868</b>	<b>0.5105</b>

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system / vp693 Date: 03/16/2021 22:52:39

Validator's Comments:

Test Options:	
Option	Description
Gain	.650
Constant Grade	.000

## Test Options

## Emission Summary Report

Background Particles for PN	.000
Background Particulates (PM)	.000
MINI DILUTER T/P DILUTION RATIO	9.070
DHFID Hangup value	.000
Soak Duration(Hrs)	1
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.087
Bag Methane Response Factor	1.102
Threshold	350
CVS K Coeff	638.530
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
Extra Cooling(440v)	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	16.250

### 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

Consent Decre IUVT – Extra REGEN Cycles

### Informational Report Comments

TestCell Changes :Road (Var.) Speed Fan required got changed from N to Y

## Test Comments

## Emission Summary Report

ProcLnch – Initialization failure for INCA! Retry?

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