EMISSIONS SUMMARY REPORT

Vehicle ID:	**T5305PV067 / WVN319**	Test ID:	**T5305PV067_US2XSP020823011101 / 1111547771**		
Test Req:	**082012230013−5**	Location:	CHRYSLER TECH CENTER		
Test Type:	**US06(2X) − using Split Bag US06**	Facility:	**Test Cell 8**	Start Time:	**01/11/2023 12:11:36**
Requestor:	**REDACTED**	Shift Sched.:	AUTO	Trace End:	**01/11/2023 12:33:07**
Driver:	**REDACTED**	Option(s):	Tailpipe modal &Bag	Inertia Weight: (lbs)	5500
Operator:	**REDACTED**	Fuel Type:	MS10756	Road Load Coeff A:	21.63
Start Odometer:	109669	Fuel Anal.#:	11022	Road Load Coeff B:	.2661
AutoLoad File:	None	INCA Project File:	15MY_WK**REDACTED**.exp	Road Load Coeff C:	0.02707
Cell Temp Set Pt (F):	75	Altitude Set Pt(ft.):	930	Hum. Set Pt (Grains):	50.00
Test Segment:	3/3	Vehicle Desc.:	0.00 GRAND CHERGRAY	Emissions Standard:	EPA
Test Req. Purpose:	T5305PV067 – **REDACTED** – IUVT Consent Decree Witness Testing 14MY 3.0L DSL WK (RL, PREP, FTP75, HFET, US06)				
Seq. Purpose:	US06 Emissions				

Individual Cycles:(Grams/Mile) **Tailpipe:**

	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0223	.0177	.0048	.0039	.1895	589.7	.1736	.0273	48.4	17.2451		.264
Cycle2	.0173	.0138	.0042	.0025	.2913	458.4	.2768	.0358	131.7	22.2153		1.011
Cycle3	.0105	.0089	.0018	.0039	.1616	361.7	.1551	.0225	552.6	28.1073		6.232
Cycle4	.0369	.0225	.0194	.0135	.5713	830.2	.4993	.1288	81.3	12.2581		.273
Cycle5	.0275	.0211	.0071	.0054	1.2159	844.4	1.1587	.1661	54.0	12.0552		.231

Modal Test Results:(Grams)

Phase: 1												
IDLE	.0018	.0010	.0008	.0010	.0005	25.8	.0004	.0000	11.3	.2367	0	
ACCEL	.0244	.0191	.0073	.0047	.7356	908.9	.7043	.0972	198.4	9.0928	0	
DECEL	.0136	.0095	.0043	.0028	.0449	106.0	.0246	.0197	105.8	92.4702	0	
TOTAL	.0398	.0297	.0124	.0085	.7810	1040.7	.7293	.1169	315.5		0	
Phase: 1	Equivalent Mass Results: (Grams/Mile)											
	.0224	**.0167**	**.0070**	**.0048**	**.4390**	**585.0**	**.4100**	**.0657**	**315.5**	**17.3925**	**0**	**1.779**
Phase: 2												
IDLE	.0004	.0002	.0002	.0002	.0001	5.6	.0000	.0000	2.4		0	
ACCEL	.0255	.0226	.0035	.0062	.6725	1020.5	.6442	.0979	220.9	18.9833	0	
CRUISE	.0281	.0242	.0043	.0135	.2825	992.8	.2754	.0339	233.3	31.3075	0	
DECEL	.0116	.0083	.0033	.0047	.0518	235.3	.0471	.0082	96.0	54.9960	0	
TOTAL	.0656	.0553	.0114	.0245	1.0069	2254.2	.9667	.1400	552.6		0	
Phase: 2	Equivalent Mass Results: (Grams/Mile)											
	.0105	**.0089**	**.0018**	**.0039**	**.1616**	**361.7**	**.1551**	**.0225**	**552.6**	**28.1073**	**0**	**6.232**
Phase: 1A												
IDLE	.0008	.0005	.0004	.0003	.0001	11.0			4.7	.0926	0	
ACCEL	.0137	.0117	.0027	.0018	.3252	530.0			110.8	10.6992	0	
DECEL	.0089	.0065	.0024	.0014	.0193	78.1			64.6	93.3236	0	

TOTAL	.0384	.0186	.0055	.0035	.3446	619.1			180.2		0	

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

	.0184	**.0146**	**.0043**	**.0028**	**.2702**	**485.5**			**180.2**	**20.9354**	**0**	**1.275**

Phase: 1B

IDLE	.0010	.0006	.0005	.0007	.0005	14.8			6.5	.3437	0	
ACCEL	.0107	.0075	.0046	.0029	.4104	378.9			87.6	6.8471	0	
DECEL	.0047	.0030	.0019	.0013	.0256	27.9			41.3	90.7940	0	
TOTAL	.0164	.0110	.0069	.0049	.4365	421.5			135.4		0	

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

	.0326	**.0219**	**.0138**	**.0098**	**.8663**	**836.7**			**135.4**	**12.1557**	**0**	**.504**

Total Equivalent Mass Results:(Grams/Mile)

	.0132	**.0106**	**.0030**	**.0041**	**.2232**	**411.3**	**.2117**	**.0321**	**868.2**	**24.7562**	**0**	**8.010**

CVS Mass Results: (Grams/Mile)

	HC	**CO**	**NOX**	**NMHC**	**CO2**	**CH4**	**NMHC+NOX**	**NMOG+NOX**	**HFID**	**Vol.MPG**
Phase: 1	.00795	.00000	.46870	.00216	635.109	.00461	.4709	.4709	0.00657	16.0244
Phase: 2	.00160	.00000	.16824	.00066	366.324	.00095	.1689	.1689	0.00157	27.8023

CVS Total Mass Results:(Grams/Mile)

	.00301	**.00000**	**.23497**	**.00099**	**426.013**	**.00177**	**.2360**	**.2360**	**.00268**	**23.8864**

Drive Metrics:

CSI	**RMS**
−16.998	.489

SAE Drive Metrics:

	CED (J)	**CET (J)**	**ER**	**DistD (M)**	**DistT (M)**	**DistR**	**EER**	**ASCR**	**IWR**	**RMSSE (MPH)**
Phase: 1	4,255,130	4,287,180	−0.747	2,863.6	2,852.2	0.400	−1.156	−1.162	−0.650	0.9024
Phase: 2	9,956,510	10,161,200	−2.015	10,028.9	10,037.1	−0.082	−1.973	−10.248	−13.464	0.5399
Final:										
	14,211,600	**14,448,400**	**−1.639**	**12,892.4**	**12,889.3**	**0.025**	**−1.691**	**−4.038**	**−6.882**	**0.7047**

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / mh1294 Date: 01/11/2023 13:54:02

Validator's Comments: THIS TEST PASSED ALL VALIDITY CHECKS

Test Options:

Option	Description
Gain	.650
DHFID Hangup value	.005
Diesel Regeneration Required	0
Background Particles for PN	.000
Background Particulates (PM)	.003
MINI DILUTER T/P DILUTION RATIO	10.050
Constant Grade	.000
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.089
Bag Methane Response Factor	1.103
Soak Duration(Hrs)	25
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
Cert Mode	Y
Road (Var.) Speed Fan required	Y
Rolls Requirement	Y
Wrap Cursor	Y
Diesel Test	Y
Augmented Braking	Y
Abort Test on INCA Failure	Y
Inca Requirement	Y
Abort test on dead battery	Y
Hybrid Test	Y
Mule Vehicle to Park	Y
SAE Calculations Required	Y
Weighted Dilution factor	15.660

Sequence Purpose
US06 Emissions
Req Spcl Inst
Use 8 ft exhaust pipe and Extra cooling.
Sampling Type List
None −− None −− DCVS , Diesel Tailpipe / Particulates − Single
Test Request Purpose
T5305PV067 − REDACTED − IUVT Consent Decree Witness Testing 14MY 3.0L DSL WK (RL, PREP, FTP75, HFET, US06)

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