

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>T5305PV43 / HUNTMUP</b>	Test ID:	<b>T5305PV43_US2XSP020821012601 / 1111541244</b>		
Test Req:	<b>082012210146-6</b>	Location:	CHRYSLER TECH CENTER		
Test Type:	<b>US06(2X) – using Split Bag US06</b>	Facility:	<b>Test Cell 8</b>	Start Time:	<b>01/26/2021 12:21:36</b>
Requestor:	<b>REDACTED</b>	Shift Sched.:	AUTO	Trace End:	<b>01/26/2021 12:43:07</b>
Driver:	<b>REDACTED</b>	Option(s):	Tailpipe modal & Bag	Inertia Weight: (lbs)	5500
Operator:	<b>REDACTED</b>	Fuel Type:	MS10756	Road Load Coeff A:	21.93
Start Odometer:	85693	Fuel Anal.#:	10933	Road Load Coeff B:	.1509
AutoLoad File:	None	INCA Project File:	2015_WK_ <sup>REDACTED</sup> .exp	Road Load Coeff C:	0.02750
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 WKJP74 Granite Cr	Emissions Standard:	EPA
Test Req. Purpose:	T5305PV43 – <sup>REDACTED</sup> – IUVT Consent Decree 15MY 3.0L DSL WK (RL, PREP, FTP75, HFET, US06)				
Seq. Purpose:	US06 Emissions				

	<b>Individual Cycles:(Grams/Mile)</b>					<b>Tailpipe:</b>						
	<b>HC</b>	<b>NMHC</b>	<b>CH4</b>	<b>CO</b>	<b>NOX</b>	<b>CO2</b>	<b>NO</b>	<b>NO2</b>	<b>ExVol</b>	<b>MPG</b>	<b>DM</b>	<b>Miles</b>
Cycle1	.0198	.0111	.0100	.0144	.0174	603.5	.0147	.0045	47.8	16.8731		.266
Cycle2	.0133	.0080	.0058	.0085	.0316	465.6	.0302	.0043	132.0	21.8339		1.019
Cycle3	.0086	.0061	.0027	.0072	.0181	363.0	.0170	.0029	553.8	28.0292		6.232
Cycle4	.0312	.0164	.0157	.0196	.1105	736.0	.0868	.0344	81.6	13.8234		.273
Cycle5	.0230	.0132	.0105	.0158	.4227	786.4	.4154	.1059	55.0	12.9446		.223

<b>Modal Test Results:(Grams)</b>												
Phase: 1												
IDLE	.0016	.0006	.0011	.0008	.0001	25.3	.0000	.0000	11.6	.2009		0
ACCEL	.0173	.0112	.0066	.0148	.1423	884.3	.1433	.0284	187.4	8.9411		0
DECEL	.0135	.0067	.0075	.0058	.0188	101.6	.0077	.0102	117.4	100.6940		0
TOTAL	.0324	.0185	.0152	.0214	.1612	1011.2	.1510	.0386	316.4			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0182</b>	<b>.0104</b>	<b>.0085</b>	<b>.0120</b>	<b>.0905</b>	<b>567.8</b>	<b>.0848</b>	<b>.0217</b>	<b>316.4</b>	<b>17.9129</b>	<b>0</b>	<b>1.781</b>
Phase: 2												
IDLE	.0004	.0002	.0002	.0001	.0000	6.2	.0000	.0000	2.4	.1645		0
ACCEL	.0221	.0173	.0053	.0189	.0735	1026.8	.0687	.0137	219.7	18.8422		0
CRUISE	.0205	.0146	.0065	.0193	.0338	996.7	.0330	.0038	234.2	31.1151		0
DECEL	.0104	.0061	.0046	.0064	.0052	232.5	.0042	.0006	97.4	55.9033		0
TOTAL	.0535	.0382	.0166	.0446	.1125	2262.2	.1059	.0181	553.8			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0086</b>	<b>.0061</b>	<b>.0027</b>	<b>.0072</b>	<b>.0181</b>	<b>363.0</b>	<b>.0170</b>	<b>.0029</b>	<b>553.8</b>	<b>28.0292</b>	<b>0</b>	<b>6.232</b>
Phase: 1A												
IDLE	.0007	.0002	.0005	.0003	.0000	11.3			4.7			0
ACCEL	.0105	.0071	.0039	.0091	.0359	556.2			110.6	10.3403		0
DECEL	.0075	.0037	.0042	.0030	.0009	67.4			64.5	108.2169		0
TOTAL	.0188	.0111	.0085	.0125	.0368	634.9			179.8			0
Phase: 1A	<u>Equivalent Mass Results: (Grams/Mile)</u>											

Modal Test Results										
Phase: 1B										
IDLE	.0009	.0004	.0006	.0005	.0001	14.0		6.9	.3634	0
ACCEL	.0068	.0041	.0027	.0057	.1064	328.1		76.8	6.5729	0
DECEL	.0060	.0030	.0033	.0027	.0179	34.2		52.9	84.0405	0
TOTAL	.0137	.0074	.0066	.0089	.1244	376.3		136.6		0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0275	.0149	.0134	.0179	.2508	758.6		136.6	13.4048	0 .496
Total Equivalent Mass Results:(Grams/Mile)										
	.0107	.0071	.0040	.0082	.0342	408.5	.0321	.0071	870.2	24.8767 0 8.012

CVS Mass Results: (Grams/Mile)										
	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.01017	.00407	.10993	.00000	642.635	.00317	.1099	.1099	0.00152	15.8254
Phase: 2	.00189	.00000	.02002	.00000	366.441	.00072	.0200	.0200	0.00019	27.8028
CVS Total Mass Results:(Grams/Mile)										
	.00373	.00090	.04001	.00000	427.830	.00126	.0400	.0400	.00049	23.7753

Drive Metrics:	
CSI	RMS
-15.240	.338

SAE Drive Metrics:										
	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,204,750	4,259,620	-1.288	2,866.6	2,852.1	0.508	-1.820	-1.400	-1.698	0.6217
Phase: 2	9,679,960	9,905,440	-2.276	10,029.0	10,035.6	-0.065	-2.262	-8.480	-11.131	0.3633
<b>Final:</b>	<b>13,884,700</b>	<b>14,165,100</b>	<b>-1.979</b>	<b>12,895.6</b>	<b>12,887.7</b>	<b>0.062</b>	<b>-2.082</b>	<b>-3.643</b>	<b>-6.288</b>	<b>0.4816</b>

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system Date: 01/26/2021 13:11:28

Validator's Comments:

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

## Test Options

## Emission Summary Report

Diesel Regeneration Required	0
Background Particles for PN	.000
Background Particulates (PM)	.000
MINI DILUTER T/P DILUTION RATIO	8.980
DHFID Hangup value	.000
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.083
Bag Methane Response Factor	1.102
Soak Duration(Hrs)	24
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
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	15.420

### Sequence Purpose

US06 Emissions

### Engr. SpclInst

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

### Req Spcl Inst

Use 8 ft exhaust pipe and Extra cooling.

### Sampling Type List

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

### Test Request Purpose

Test Comments

Emission Summary Report

T5305PV43 – REDACTED – IUVT Consent Decree 15MY 3.0L DSL WK (RL, PREP, FTP75, HFET, US06)

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