

EMISSIONS SUMMARY REPORT

Vehicle ID: **T5305PV067 / WVN319** Test ID: **T5305PV067_EPA75_020823011101 / 1111547769**
 Test Req: **082012230013-3** Location: **CHRYSLER TECH CENTER**
 Test Type: **EPA75** Facility: **Test Cell 8** Start Time: **01/11/2023 10:07:25**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **01/11/2023 10:48:14**
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: (lbs) **5500**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **21.63**
 Start Odometer: **109637** Fuel Anal.#: **11022** Road Load Coeff B: **.2661**
 AutoLoad File: **None** INCA Project File: **15MY_WKREDACTED.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: **1/1** 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: **cFTP75 Emissions**

Time	Individual Cycles:(Grams/Mile)			Tailpipe:								DM	Miles
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG			
Time-63	.3303	.2339	.0920	10.7780	.5771	789.3	.5564	.0920	45.4	12.6097		.206	
Cycle1	.5210	.4105	.1188	7.9358	.3159	551.2	.3049	.0338	95.6	18.0062		.671	
Cycle2	.2499	.1739	.0833	.1486	.2187	431.9	.2125	.0147	185.3	23.4992		1.956	
Cycle11	.1386	.0240	.1253	.0015	.0033	305.3	.0016	.0000	123.9	33.3152		1.360	
Cycle19	.3659	.1159	.2739	.7985	.0376	385.6	.0364	.0030	69.6	26.1981		.676	

Modal Test Results:(Grams)												
Phase: 1												
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
IDLE	.0408	.0263	.0153	.2577	.0227	103.4	.0215	.0000	33.7	98.2805	0	
ACCEL	.2524	.1700	.0861	1.4736	.3868	762.7	.3934	.0224	150.2	13.2825	0	
CRUISE	.4702	.3401	.1301	2.9648	.1759	668.4	.1672	.0101	144.4	15.0945	0	
DECEL	.1206	.1115	.0264	.9391	.0688	131.6	.0499	.0192	85.5	76.0179	0	
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.1		0	
TOTAL	.8841	.6478	.2580	5.6352	.6542	1666.1	.6320	.0517	414.0		0	
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.2469	.1809	.0720	1.5735	.1827	465.2	.1765	.0144	414.0	21.7316	0	3.581
Phase: 2												
IDLE	.0100	.0031	.0072	.0026	.0002	102.9	.0000	.0000	36.9	98.7640	0	
ACCEL	.3145	.0556	.2696	.1691	.0104	906.0	.0081	.0003	196.8	11.2160	0	
CRUISE	.1167	.0276	.1005	.0046	.0034	468.2	.0000	.0000	158.3	21.7260	0	
DECEL	.0383	.0168	.0377	.0139	.0019	109.6	.0004	.0000	107.1	92.3930	0	
TOTAL	.4794	.1031	.4149	.1902	.0159	1586.6	.0085	.0003	499.2		0	
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.1248	.0269	.1080	.0495	.0041	413.0	.0022	.0001	499.2	24.6105	0	3.842
Phase: 3												

Modal Test Results											
ACCEL	.2109	.0467	.1721	.3691	.1578	655.4	.1417	.0296	133.3	15.5060	0
CRUISE	.1577	.0319	.1367	.0176	.0184	532.1	.0151	.0023	124.4	19.1084	0
DECEL	.0531	.0317	.0426	.1865	.0052	108.5	.0039	.0007	95.4	92.9582	0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.0		0
TOTAL	.4272	.1116	.3561	.5765	.1859	1357.7	.1656	.0326	380.0		0
Phase: 3 <u>Equivalent Mass Results: (Grams/Mile)</u>											
	.1192	.0311	.0994	.1609	.0519	378.9	.0462	.0091	380.0	26.8047	0 3.583
Weighted Total Equivalent Mass Results:(Grams/Mile)											
	.1486	.0600	.0982	.3963	.0543	414.5	.0505	.0055	1293.1	24.5141	0 11.006

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.24485	1.56174	.18125	.20080	462.384	.06825	.3820	0.26597	21.8696
Phase: 2	.11580	.05519	.00339	.02012	400.234	.09926	.0235	0.11493	25.4104
Phase: 3	.11213	.13354	.06340	.02452	370.795	.09488	.0879	0.11514	27.3861
CVS Weighted Mass Results:(Grams/Mile)									
	.14156	.38930	.05680	.05882	405.030	.09162	.1156	.14632	25.0589

Drive Metrics:

CSI	RMS
-9.417	.379

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,503,210	4,555,800	-1.154	5,763.5	5,779.3	-0.273	-0.892	-2.476	-3.238	0.4687
Phase: 2	4,148,780	4,207,670	-1.400	6,181.4	6,211.4	-0.483	-0.930	-0.824	-1.073	0.4171
Phase: 3	4,511,910	4,556,050	-0.969	5,767.0	5,779.3	-0.213	-0.763	-2.396	-3.286	0.3900
Final (Weighted):										
	8,656,940	8,763,610	-1.217	11,946.9	11,990.7	-0.365	-0.862	-1.704	-2.109	0.3724

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / mh1294 Date: 01/11/2023 13:13:48

Validator's Comments: THIS TEST PASSED ALL VALIDITY CHECKS

Test Options

Emission Summary Report

Test Options:

Option	Description
DHFID Hangup value	.040
Gain	.650
Background Particulates (PM)	.003
Background Particles for PN	.000
Constant Grade	.000
Diesel Regeneration Required	0
MINI DILUTER T/P DILUTION RATIO	10.030
DHFID Methane Response Factor	1.089
Tailpipe Methane Response Factor	1.066
Bag Methane Response Factor	1.103
Soak Duration(Hrs)	23
CVS K Coeff	278.855
Threshold	350
Pre Test Vehicle Temperature	Cold
Trace Start Method	Crank (Pendant)
Charging Type	CS
Actual Driver	Human
CVS Venturi Selection	Low
DynoGrade Type	None
OBD II Monitor	None Requested
Special Test Qualifications	None
Cert Mode	Y
Road (Var.) Speed Fan required	Y
Rolls Requirement	Y
Diesel Test	Y
Augmented Braking	Y
Inca Requirement	Y
Abort Test on INCA Failure	Y
Abort test on dead battery	Y
Hybrid Test	Y
Mule Vehicle to Park	Y
SAE Calculations Required	Y
DbW Available	Y
Weighted Dilution factor	15.030

Sequence Purpose

cFTP75 Emissions

Sampling Type List

DCVS , Diesel Tailpipe / Particulates – Multiple

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.