

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>T6305PV57 / CYE307</b>	Test ID:	<b>T6305PV57_EPA75_020821031801 / 1111541968</b>		
Test Req:	<b>082012210462-4</b>	Location:	CHRYSLER TECH CENTER		
Test Type:	<b>EPA75</b>	Facility:	<b>Test Cell 8</b>	Start Time:	<b>03/18/2021 10:03:23</b>
Requestor:	<b>REDACTED</b>	Shift Sched.:	AUTO	Trace End:	<b>03/18/2021 10:44:08</b>
Driver:	<b>REDACTED</b>	Option(s):	Tailpipe modal & Bag	Inertia Weight: (lbs)	6000
Operator:	<b>REDACTED</b>	Fuel Type:	MS10756	Road Load Coeff A:	-.6877
Start Odometer:	68133	Fuel Anal.#:	10958	Road Load Coeff B:	.3165
AutoLoad File:	None	INCA Project File:	T6305PV57_15DS30_MI.exp	Road Load Coeff C:	0.03295
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 DS6A98 Bright Whi	Emissions Standard:	EPA
Test Req. Purpose:	<b>T6305PV57 -REDACTED - IUVT Consent Decree 16MY 3.0L DSL DS (RL, PREP, FTP75, HFET, US06)</b>				
Seq. Purpose:	cFTP75 Emissions				

	<b>Individual Cycles:(Grams/Mile) 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>
Time-63	.2872	.1840	.1323	15.0537	.4969	835.9	.4604	.1059	48.0	11.8246		.206
Cycle1	.7957	.4573	.3727	6.4039	.2557	586.5	.2441	.0401	94.4	16.9999		.673
Cycle2	.0995	.0419	.0654	.0253	.1495	451.2	.1433	.0133	209.3	22.5447		1.959
Cycle11	.0420	.0124	.0328	.0124	.0007	302.7	.0000	.0000	143.0	33.5671		1.366
Cycle19	.3078	.0589	.2857	.3661	.0333	421.6	.0338	.0021	76.2	24.0246		.671

<b>Modal Test Results:(Grams)</b>												
Phase: 1												
IDLE	.0453	.0184	.0301	.1138	.0147	108.1	.0134	.0005	31.7	93.9461		0
ACCEL	.1384	.0620	.0822	2.3809	.3220	837.5	.3104	.0370	169.5	12.0828		0
CRUISE	.5095	.2764	.2529	1.1277	.0985	693.2	.0939	.0084	153.3	14.6122		0
DECEL	.0510	.0351	.0314	.7496	.0314	119.8	.0276	.0072	95.3	83.8618		0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.1			0
TOTAL	.7441	.3919	.3965	4.3720	.4665	1758.6	.4453	.0531	449.8			0

Phase: 1 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	<b>.2074</b>	<b>.1093</b>	<b>.1105</b>	<b>1.2189</b>	<b>.1301</b>	<b>490.3</b>	<b>.1241</b>	<b>.0148</b>	<b>449.8</b>	<b>20.6585</b>	<b>0</b>	<b>3.587</b>

Phase: 2												
IDLE	.0092	.0009	.0100	.0041	.0001	114.7	.0000	.0000	34.6	88.4635		0
ACCEL	.2323	.0507	.1912	.0300	.0035	983.6	.0009	.0000	231.1	10.3331		0
CRUISE	.1060	.0233	.0950	.0214	.0009	483.4	.0000	.0000	178.6	21.0519		0
DECEL	.0237	.0066	.0266	.0107	.0005	90.0	.0000	.0000	114.5	112.9494		0
TOTAL	.3712	.0814	.3227	.0662	.0050	1671.7	.0009	.0000	558.9			0

Phase: 2 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	<b>.0960</b>	<b>.0211</b>	<b>.0835</b>	<b>.0171</b>	<b>.0013</b>	<b>432.5</b>	<b>.0002</b>	<b>.0000</b>	<b>558.9</b>	<b>23.4825</b>	<b>0</b>	<b>3.865</b>

Phase: 3												
IDLE	.0051	.0003	.0067	.0054	.0005	70.2	.0000	.0000	27.6			0
ACCEL	.1600	.0317	.1486	.4240	.1165	729.5	.1135	.0128	156.8	13.9363		0
CRUISE	.1373	.0155	.1379	.0236	.0209	547.4	.0192	.0021	137.7	18.5871		0

Modal Test Results											
HC	.0315	.0101	.0307	.0363	.0047	94.5	.0034	.0009	101.4	106.9503	0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.0		0
TOTAL	.3280	.0575	.3239	.4893	.1426	1441.7	.1361	.0158	423.5		0
Phase: 3 <u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0916</b>	<b>.0161</b>	<b>.0904</b>	<b>.1366</b>	<b>.0398</b>	<b>402.5</b>	<b>.0380</b>	<b>.0044</b>	<b>423.5</b>	<b>25.2808</b>	<b>0 3.582</b>
<b>Weighted Total Equivalent Mass Results:(Grams/Mile)</b>											
	<b>.1179</b>	<b>.0379</b>	<b>.0910</b>	<b>.2986</b>	<b>.0385</b>	<b>436.2</b>	<b>.0362</b>	<b>.0043</b>	<b>1432.3</b>	<b>23.2939</b>	<b>0 11.034</b>

**CVS Mass Results: (Grams/Mile)**

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.20866	1.42034	.13351	.09633	488.291	.11286	.2298	0.20397	20.7298
Phase: 2	.09465	.00488	.00125	.02510	439.446	.06876	.0263	0.09068	23.1643
Phase: 3	.10145	.16344	.03989	.01991	400.342	.08329	.0598	0.09934	25.4036
<b>CVS Weighted Mass Results:(Grams/Mile)</b>									
	<b>.12011</b>	<b>.34131</b>	<b>.03922</b>	<b>.03842</b>	<b>438.835</b>	<b>.08187</b>	<b>.0776</b>	<b>.11650</b>	<b>23.1318</b>

**Drive Metrics:**

CSI	RMS
1.449	.325

**SAE Drive Metrics:**

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,716,390	4,733,590	-0.363	5,772.3	5,779.3	-0.120	-0.244	-1.632	-2.757	0.3770
Phase: 2	4,315,560	4,272,900	0.998	6,218.1	6,211.1	0.114	0.876	0.370	1.075	0.3750
Phase: 3	4,700,220	4,733,830	-0.710	5,764.8	5,779.3	-0.250	-0.463	-1.532	-3.439	0.3260
<b>Final (Weighted):</b>										
	<b>9,022,740</b>	<b>9,006,620</b>	<b>0.179</b>	<b>11,986.2</b>	<b>11,990.3</b>	<b>-0.035</b>	<b>0.213</b>	<b>-0.699</b>	<b>-0.919</b>	<b>0.3186</b>

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system / spp23 Date: 03/18/2021 13:30:18

Validator's Comments:

**Test Options:**

Option	Description
DHFID Hangup value	.004
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	9.090
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.087
Bag Methane Response Factor	1.102
Soak Duration(Hrs)	22
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
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
DbW Available	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
Weighted Dilution factor	14.470

### Sequence Purpose

cFTP75 Emissions

### Engr. SpclInst

Engineer needs to collect DiagaRA data at the end of phases 2 and 3.

### Sampling Type List

DCVS , Diesel Tailpipe / Particulates – Multiple

### Test Request Purpose

T6305PV57 – REDACTED – IUVT Consent Decree 16MY 3.0L DSL DS (RL, PREP, FTP75, HFET, US06)

### Informational Report Comments

ProcLnch – Initialization failure for INCA! Retry?

Test Comments

Emission Summary Report

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