

EMISSIONS SUMMARY REPORT

Vehicle ID: **T6305PV56 / HQ61U** Test ID: **T6305PV56_EPA75_020821012701 / 1111541260**
 Test Req: **082012210154-2** Location: **CHRYSLER TECH CENTER**
 Test Type: **EPA75** Facility: **Test Cell 8** Start Time: **01/27/2021 10:07:35**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **01/27/2021 10:48:12**
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: (lbs) **5500**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **16.02**
 Start Odometer: **84862** Fuel Anal.#: **10933** Road Load Coeff B: **.0996**
 AutoLoad File: **None** INCA Project File: **2016_WK_REDACTED.exp** Road Load Coeff C: **0.02978**
 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 WKJS74 Granite Cr** Emissions Standard: **EPA**
 Test Req. Purpose: **T6305PV56 - REDACTED - IUVT Consent Decree (2) 16MY 3.0L DSL WK (RL, PREP, FTP75, HFET, US06)**
 Seq. Purpose: **cFTP75 Emissions**

Individual Cycles:(Grams/Mile)		Tailpipe:										
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Time-63	.1835	.1103	.0751	9.4417	.5774	825.1	.5940	.0598	47.0	12.1081		.207
Cycle1	.6189	.3880	.2490	4.3650	.3271	603.4	.3273	.0272	100.5	16.6322		.672
Cycle2	.1247	.0976	.0310	.0188	.1285	415.7	.1228	.0112	196.4	24.4360		1.962
Cycle11	.1068	.0031	.1172	.0072	.0004	282.1	.0000	.0000	98.8	36.0391		1.356
Cycle19	.2184	.0145	.2249	.0176	.0105	392.4	.0088	.0009	68.8	25.9109		.674

Modal Test Results:(Grams)

Phase: 1												
IDLE	.0466	.0362	.0109	.2903	.0259	104.5	.0251	.0001	34.8	96.3576		0
ACCEL	.1402	.1018	.0394	1.0874	.2643	771.1	.2674	.0209	155.4	13.1614		0
CRUISE	.4287	.2667	.1724	.9075	.1216	670.2	.1173	.0057	144.3	15.1248		0
DECEL	.0731	.0600	.0227	.7004	.0728	120.4	.0605	.0142	101.8	83.8679		0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.0			0
TOTAL	.6886	.4647	.2454	2.9856	.4845	1666.3	.4703	.0409	436.3			0

Phase: 1 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	.1917	.1293	.0683	.8309	.1348	463.7	.1309	.0114	436.3	21.8406	0	3.593

Phase: 2												
IDLE	.0083	.0011	.0079	.0034	.0002	101.3	.0000	.0000	37.4	100.7254		0
ACCEL	.2735	.0118	.2838	.0196	.0015	892.7	.0000	.0000	181.8	11.3836		0
CRUISE	.1057	.0066	.1131	.0126	.0008	427.7	.0000	.0000	123.6	23.7558		0
DECEL	.0265	.0029	.0334	.0072	.0004	101.4	.0000	.0000	92.7	100.6497		0
TOTAL	.4141	.0224	.4383	.0429	.0029	1523.1	.0000	.0000	435.5			0

Phase: 2 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	.1077	.0058	.1139	.0111	.0007	396.0	.0000	.0000	435.5	25.6733	0	3.847

Phase: 3												
IDLE	.0044	.0004	.0050	.0024	.0001	62.3	.0000	.0000	26.3	164.0926		0
ACCEL	.1208	.0049	.1386	.0209	.0431	682.8	.0399	.0067	136.3	14.8897		0
CRUISE	.1492	.0058	.1556	.0131	.0023	510.3	.0004	.0000	114.7	19.9335		0

Modal Test Results											
CO	.018	.0033	.0247	.0069	.0012	84.4	.0006	.0001	86.8	121.0359	0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.0		0
TOTAL	.2923	.0134	.3239	.0433	.0467	1339.8	.0409	.0068	364.1		0
Phase: 3 <u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0815	.0037	.0903	.0121	.0130	373.6	.0114	.0019	364.1	27.1883	0 3.587
Weighted Total Equivalent Mass Results:(Grams/Mile)											
	.1179	.0309	.0980	.1816	.0320	403.9	.0303	.0029	1235.9	25.1468	0 11.026

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.18614	.83791	.13567	.12877	459.831	.06102	.2644	0.18696	22.0297
Phase: 2	.10702	.00310	.00099	.00456	383.107	.09774	.0056	0.09781	26.5472
Phase: 3	.08647	.00296	.01514	.00310	365.572	.08259	.0182	0.08187	27.7831
CVS Weighted Mass Results:(Grams/Mile)									
	.11780	.17643	.03285	.02995	394.218	.08595	.0628	.11194	25.7852

Drive Metrics:

CSI	RMS
-9.223	.311

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,431,360	4,478,170	-1.045	5,782.1	5,779.2	0.049	-1.106	-2.096	-3.258	0.3251
Phase: 2	4,074,170	4,132,580	-1.413	6,190.2	6,211.0	-0.335	-1.094	-1.277	-1.983	0.3456
Phase: 3	4,433,890	4,477,920	-0.983	5,772.4	5,779.2	-0.117	-0.874	-1.954	-3.153	0.3630
Final (Weighted):										
	8,506,980	8,610,610	-1.204	11,966.8	11,990.3	-0.195	-1.020	-1.688	-2.557	0.3033

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / wab14 Date: 01/28/2021 13:56:43

Validator's Comments:

Test Options:

Option	Description
DHFID Hangup value	.011
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	9.030
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.083
Bag Methane Response Factor	1.102
Soak Duration(Hrs)	18
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	15.280

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

T6305PV56 – REDACTED – IUVT Consent Decree (2) 16MY 3.0L DSL WK (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.