

EMISSIONS SUMMARY REPORT

Vehicle ID:	T4305PV065 / DPK2244	Test ID:	T4305PV065_US2XSP020823032902 / 1111548383
Test Req:	082012230369-1	Location:	CHRYSLER TECH CENTER
Test Type:	US06(2X) – using Split Bag US06	Facility:	Test Cell 8
Requestor:	REDACTED	Shift Sched.:	AUTO
Driver:	REDACTED	Option(s):	Tailpipe modal & Bag
Operator:	REDACTED	Fuel Type:	MS10756
Start Odometer:	113806	Fuel Anal.#:	11022
AutoLoad File:	None	INCA Project File:	^{REDACTED} _14MY_DS_3.0L_DSL.exp
Cell Temp Set Pt (F):	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 DS6H98 BLACK
Test Req. Purpose:	T4305PV065 – ^{REDACTED} – IUVT Consent Decree Witness Testing 14MY 3.0L DSL DS (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	.0226	.0149	.0081	.0032	.2622	627.5	.2407	.0522	53.4	16.2275		.265
Cycle2	.0134	.0093	.0046	.0028	.3579	492.1	.3492	.0390	143.3	20.6808		1.017
Cycle3	.0115	.0079	.0039	.0035	.2287	391.0	.2161	.0371	620.2	26.0228		6.228
Cycle4	.0307	.0161	.0164	.0079	.6954	880.2	.6165	.1382	90.6	11.5619		.272
Cycle5	.0292	.0191	.0103	.0100	1.5396	874.5	1.4691	.2123	59.7	11.6414		.222

Modal Test Results:(Grams)												
Phase: 1												
IDLE	.0016	.0008	.0009	.0005	.0013	26.0	.0013	.0000	13.8	.1953		0
ACCEL	.0202	.0144	.0062	.0054	.8378	929.8	.8452	.0802	206.2	8.4933		0
DECEL	.0127	.0069	.0065	.0022	.1253	144.3	.0662	.0580	127.0	70.6452		0
TOTAL	.0344	.0220	.0136	.0081	.9643	1100.2	.9127	.1382	347.0			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0194	.0124	.0076	.0045	.5430	619.5	.5139	.0778	347.0	16.4375	0	1.776
Phase: 2												
IDLE	.0003	.0001	.0002	.0001	.0001	5.6	.0000	.0000	2.9			0
ACCEL	.0291	.0222	.0078	.0094	.8495	1102.2	.7943	.1558	251.2	17.4828		0
CRUISE	.0304	.0201	.0114	.0088	.4676	1068.9	.4557	.0553	262.7	29.0711		0
DECEL	.0116	.0067	.0053	.0033	.1075	258.5	.0960	.0199	103.3	50.3682		0
TOTAL	.0714	.0492	.0246	.0216	1.4247	2435.3	1.3460	.2310	620.2			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0115	.0079	.0039	.0035	.2287	391.0	.2161	.0371	620.2	26.0228	0	6.228
Phase: 1A												
IDLE	.0007	.0003	.0003	.0002	.0002	10.4			5.6			0
ACCEL	.0124	.0093	.0033	.0026	.4083	574.1			124.5	10.0050		0
DECEL	.0065	.0037	.0032	.0009	.0251	82.2			66.6	89.2393		0

Total Test Results										
Phase: 1A	0.0134	0.0068	0.0037	0.4335	666.7		196.7			0
<u>Equivalent Mass Results: (Grams/Mile)</u>										
	.0153	.0104	.0053	.0029	.3382	520.0	196.7	19.5671	0	1.282
Phase: 1B										
IDLE	.0009	.0004	.0005	.0003	.0011	15.6	8.2	.3259		0
ACCEL	.0078	.0051	.0029	.0028	.4295	355.7	81.7	6.0530		0
DECEL	.0062	.0031	.0033	.0013	.1002	62.1	60.4	46.2391		0
TOTAL	.0148	.0086	.0067	.0044	.5308	433.5	150.3			0
<u>Equivalent Mass Results: (Grams/Mile)</u>										
	.0300	.0174	.0136	.0089	1.0747	877.6	150.3	11.5883	0	.494
Total Equivalent Mass Results:(Grams/Mile)										
	.0132	.0089	.0048	.0037	.2985	441.7	.2822	.0461	967.1	23.0201
									0	8.004

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00764	.00000	.59318	.00412	682.155	.00084	.5973	.5973	0.00493	14.9202
Phase: 2	.00274	.00000	.25465	.00238	407.313	.00084	.2570	.2570	0.00318	25.0014
CVS Total Mass Results:(Grams/Mile)										
	.00382	.00000	.32976	.00276	468.292	.00084	.3325	.3325	.00357	21.7426

Drive Metrics:

CSI	RMS
-.981	.294

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,631,600	4,604,530	0.588	2,859.2	2,852.1	0.249	0.337	0.342	0.408	0.5078
Phase: 2	10,875,800	10,944,800	-0.630	10,024.3	10,035.6	-0.112	-0.521	-2.690	-3.642	0.3448
Final:	15,507,400	15,549,300	-0.269	12,883.6	12,887.7	-0.032	-0.238	-0.618	-1.563	0.4164

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / zdf Date: 03/29/2023 17:23:15

Validator's Comments:

Test Options

Emission Summary Report

Test Options:

Option	Description
DHFID Hangup value	.006
Gain	.650
Constant Grade	.000
Diesel Regeneration Required	0
Background Particles for PN	.000
Background Particulates (PM)	.003
MINI DILUTER T/P DILUTION RATIO	10.000
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.089
Soak Duration(Hrs)	3
Threshold	350
Bag Methane Response Factor	1.103
Charging Type	CS
CVS K Coeff	638.530
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
Road (Var.) Speed Fan required	Y
Cert Mode	Y
Rolls Requirement	Y
Diesel Test	Y
Wrap Cursor	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
Weighted Dilution factor	14.540

Test Comments

Emission Summary Report

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

T4305PV065 – ^{REDACTED} – IUVT Consent Decree Witness Testing 14MY 3.0L DSL DS (RL, PREP, FTP75, HFET, US06)

Informational Report Comments

ProcLnch – Initialization failure for INCA! Retry?

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