

EMISSIONS SUMMARY REPORT

Vehicle ID:	T6305PV197 / DNV578	Test ID:	T6305PV197_US2XSP020823101901 / 1111549708		
Test Req:	082012231194-4	Location:	CHRYSLER TECH CENTER		
Test Type:	US06(2X) - using Split Bag US06	Facility:	Test Cell 8	Start Time:	10/19/2023 12:59:59
Requestor:	REDACTED	Shift Sched.:	AUTO	Trace End:	10/19/2023 13:21:30
Driver:	REDACTED	Option(s):	Tailpipe modal & Bag	Inertia Weight: (lbs)	5500.0
Operator:	REDACTED	Fuel Type:	MS10756	Road Load Coeff A:	22.86
Start Odometer:	114979	Fuel Anal.#:	11022	Road Load Coeff B:	-.1249
AutoLoad File:	None	INCA Project File:	REDACTE_16MY_WK_4WD_Diesel.exp	Road Load Coeff C:	0.03209
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 WK BLACK	Emissions Standard:	EPA
Test Req. Purpose:	T6305PV197 - REDACTE - IUVT Consent Decree Witness Testing 16MY 3.0L DSL WK (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	.0127	.0026	.0155	.0006	.0657	603.9	.0665	.0106	44.3	16.8462		.265
Cycle2	.0069	.0021	.0081	.0004	.1319	449.2	.1349	.0156	125.5	22.6622		1.017
Cycle3	.0035	.0015	.0035	.0002	.1038	352.3	.1053	.0140	532.4	28.9075		6.232
Cycle4	.0410	.0056	.0515	.0030	.2151	855.8	.2348	.0373	73.6	11.8858		.274
Cycle5	.0195	.0053	.0207	.0009	.5412	798.3	.5552	.0768	50.8	12.7506		.227

Modal Test Results:(Grams)

Phase: 1												
IDLE	.0007	.0002	.0006	.0002	.0001	16.0	.0000	.0000	10.9	.4445		0
ACCEL	.0197	.0034	.0249	.0007	.2613	831.1	.3015	.0182	172.2	9.4564		0
DECEL	.0056	.0019	.0056	.0007	.0716	184.6	.0434	.0281	111.0	55.5998		0
TOTAL	.0260	.0056	.0311	.0016	.3330	1031.7	.3449	.0463	294.1			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0146	.0031	.0175	.0009	.1869	579.1	.1936	.0260	294.1	17.5734	0	1.782
Phase: 2												
IDLE	.0001	.0000	.0002	.0001	.0000	3.8	.0000	.0000	2.3	.2667		0
ACCEL	.0100	.0032	.0111	.0002	.3928	992.9	.4037	.0550	209.1	19.4561		0
CRUISE	.0080	.0042	.0067	.0007	.2118	964.7	.2159	.0247	227.1	32.2010		0
DECEL	.0037	.0017	.0036	.0005	.0420	234.0	.0364	.0077	93.9	55.6027		0
TOTAL	.0218	.0091	.0216	.0014	.6466	2195.3	.6560	.0874	532.4			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0035	.0015	.0035	.0002	.1038	352.3	.1053	.0140	532.4	28.9075	0	6.232
Phase: 1A												
IDLE	.0003	.0001	.0003	.0001	.0000	7.3			4.4	.1385		0
ACCEL	.0075	.0019	.0094	.0002	.1366	517.8			102.5	10.9885		0
DECEL	.0025	.0009	.0026	.0004	.0149	91.4			62.9	80.1166		0

Total Test Results										
Phase: 1A	CO	HC	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
	.0028	.0123	.0006	.1515	616.5				169.7	0
Equivalent Mass Results: (Grams/Mile)										
	.0081	.0022	.0096	.0005	.1182	481.2			169.7	21.1544
Phase: 1B										
IDLE	.0004	.0001	.0004	.0002	.0001	8.7			6.5	.7036
ACCEL	.0122	.0016	.0154	.0006	.1247	313.4			69.8	6.9262
DECEL	.0031	.0010	.0030	.0003	.0567	93.2			48.1	31.3069
TOTAL	.0157	.0027	.0188	.0010	.1815	415.2			124.4	0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0313	.0055	.0376	.0021	.3627	829.8			124.4	12.2586
Total Equivalent Mass Results: (Grams/Mile)										
	.0060	.0018	.0066	.0004	.1222	402.7	.1249	.0167	826.6	25.2490

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.01434	.00000	.21584	.00054	615.532	.01153		.2164	.2164	0.01140
Phase: 2	.00156	.00000	.11174	.00038	364.346	.00163		.1121	.1121	0.00191
CVS Total Mass Results: (Grams/Mile)										
	.00441	.00000	.13488	.00041	420.195	.00383		.1353	.1353	.00402

Drive Metrics:

CSI	RMS
-18.947	.369

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,217,230	4,300,640	-1.940	2,867.0	2,852.2	0.518	-2.506	-2.366	-2.758	0.7255
Phase: 2	10,090,200	10,317,600	-2.204	10,030.3	10,035.8	-0.054	-2.198	-8.483	-11.113	0.3424
Final:	14,307,400	14,618,300	-2.126	12,897.3	12,887.9	0.072	-2.246	-4.304	-6.824	0.5271

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / mh1294 Date: 10/19/2023 14:59:11

Validator's Comments: THIS TEST PASSED ALL VALIDITY CHECKS

Test Validation

Test Options:

Option	Description
Induced Failure	
DHFID Hangup value	.005
Gain	.650
Constant Grade	.000
Diesel Regeneration Required	0
Background Particles for PN	.000
Background Particulates (PM)	.003
MINI DILUTER T/P DILUTION RATIO	9.980
Tailpipe Methane Response Factor	1.066
Bag Methane Response Factor	1.088
DHFID Methane Response Factor	1.089
Soak Duration(Hrs)	26
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
Thermocouples	N
Report Kilometers	N
Strict Humidity Control Requirement	N
Extra Cooling(440v)	N
Quick Check Coast Downs	N
Cert Detonation	N
Low Power Vehicle assist	N
Side Cooling	N
Solar Required	N
Leak Detection Pump Requirement	N
VT Shed Requirement	N
Underbody Temperature Control Required	N
Altitude Test	N
Rerun on Invalid	N
E-Flow Extra Cooling Procedure	N
Mule Test	N

Test Options

Emission Summary Report

Abort Test on Thermocouple Failure	N
Abort Test on Analog/Digital Failure	N
User Defined Post Test Required	N
PZEV Required	N
Charging Calcs Required	N
N2O Requirement	N
OBD Set Adaptives	N
OBD II Flag	N
DbW Required	N
DbW Available	N
Allow Short Stabilization Soak of Filters	N
WLTP Fan Required	N
Disable RDL Auto ABC updates	N
Gas-Diesel Special Test	N
XETK Required	N
DynoGrade Type	None
Special Test Qualifications	None
OBD II Monitor	None Requested
Cert Mode	Y
Road (Var.) Speed Fan required	Y
Rolls Requirement	Y
Wrap Cursor	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
Check Soak Time	Y
Weighted Dilution factor	15.910

Sequence Purpose

US06 Emissions

Req Spcl Inst

Use 8 ft exhaust pipe and Extra cooling.

System Comments

10/19/2023 13:26:53: Current filter for the tailpipe bench is #1. Filter swap strategy: swap

Sampling Type List

11/03/2023 02:27:55 PM

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Test Comments

Emission Summary Report

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

Test Request Purpose

T6305PV197 - REDACTE - IUVT Consent Decree Witness Testing 16MY 3.0L DSL WK (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.