

EMISSIONS SUMMARY REPORT

Vehicle ID:	T5305PV071 / EFS5624	Test ID:	T5305PV071_EPA75_020823121301 / 1111550084
Test Req:	082012231425-4	Location:	CHRYSLER TECH CENTER
Test Type:	EPA75	Facility:	Test Cell 8
Requestor:	REDACTED	Shift Sched.:	AUTO
Driver:	REDACTED	Option(s):	Tailpipe modal & Bag
Operator:	REDACTED	Fuel Type:	MS10756
Start Odometer:	109297	Fuel Anal.#:	11022
AutoLoad File:	None	INCA Project File:	REDACTED _15MY_DS_4WD_Diesel.exp
Cell Temp Set Pt (F):	75	Altitude Set Pt(ft.):	930
Test Segment:	1/1	Vehicle Desc.:	0.00 1500 RAM GRAY
Test Req. Purpose:	T5305PV071 - REDACTED - IUVT Consent Decree Witness Testing 15MY 3.0L DSL DS (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	.2949	.1609	.1257	14.0942	.5239	767.1	.5292	.1084	49.6	12.8795		.207
Cycle1	.9654	.6489	.3197	6.7635	.2986	575.0	.2960	.0401	100.2	17.2857		.671
Cycle2	.2741	.2127	.0709	.1457	.1548	440.4	.1538	.0126	211.8	23.0689		1.957
Cycle11	.0634	.0237	.0429	.0013	.0007	312.3	.0001	.0000	150.8	32.5939		1.361
Cycle19	.2744	.0778	.2152	.7246	.0279	398.0	.0280	.0016	73.8	25.4395		.674

Modal Test Results:(Grams)

Phase: 1												
IDLE	.0490	.0369	.0129	.0502	.0219	86.8	.0218	.0007	34.0	116.6497		0
ACCEL	.2996	.2095	.1006	2.2233	.2733	767.9	.3017	.0170	166.9	13.1736		0
CRUISE	.7438	.5426	.1929	1.4410	.1357	682.9	.1248	.0112	156.0	14.7986		0
DECEL	.1630	.1163	.0666	1.1147	.0847	188.4	.0595	.0242	95.5	53.4834		0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.1			0
TOTAL	1.2553	.9054	.3730	4.8292	.5156	1726.0	.5078	.0531	452.5			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.3501	.2525	.1040	1.3470	.1438	481.4	.1416	.0148	452.5	21.0144	0	3.585
Phase: 2												
IDLE	.0137	.0064	.0076	.0008	.0001	92.6	.0000	.0000	38.1	109.3652		0
ACCEL	.2615	.0749	.1823	.2978	.0053	974.6	.0024	.0001	233.2	10.4228		0
CRUISE	.1336	.0456	.1034	.0023	.0013	524.3	.0000	.0000	189.4	19.4038		0
DECEL	.0614	.0254	.0494	.0033	.0013	163.1	.0002	.0004	121.4	62.3543		0
TOTAL	.4703	.1522	.3427	.3043	.0081	1754.7	.0026	.0005	582.2			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.1220	.0395	.0889	.0789	.0021	455.3	.0007	.0001	582.2	22.3393	0	3.854
Phase: 3												
IDLE	.0077	.0033	.0047	.0024	.0005	59.3	.0000	.0000	28.9	172.3974		0

Mode	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG	0	
CRUISE	.1648	.0371	.1353	.0359	.0260	558.4	.0217	.0050	134.2	18.2171	0
DECEL	.0608	.0249	.0534	.1152	.0055	136.1	.0042	.0014	98.4	74.6126	0
CRANK	.0000	.0000	.0000	.0000	.0000	.1	.0000	.0000	.0		0
TOTAL	.4602	.1432	.3616	2.1753	.1367	1441.0	.1408	.0143	414.3		0
Phase: 3 Equivalent Mass Results: (Grams/Mile)											
	.1282	.0399	.1007	.6060	.0381	401.5	.0392	.0040	414.3	25.2901	0 3.589
Weighted Total Equivalent Mass Results:(Grams/Mile)											
	.1710	.0837	.0953	.4866	.0413	445.9	.0405	.0042	1449.0	22.7488	0 11.029

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.35841	1.50988	.14917	.29806	489.886	.09346	.4472	0.38691	20.6155
Phase: 2	.10113	.06915	.00290	.02342	451.664	.07634	.0263	0.09600	22.4923
Phase: 3	.10901	.59450	.04115	.03114	393.981	.08297	.0723	0.11002	25.7436
CVS Weighted Mass Results: (Grams/Mile)									
	.15661	.51210	.04372	.08246	443.730	.08171	.1262	.16014	22.8512

Drive Metrics:

CSI	RMS
-3.631	.368

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,699,150	4,733,960	-0.735	5,769.9	5,779.4	-0.164	-0.576	-2.216	-3.267	0.4313
Phase: 2	4,267,570	4,272,930	-0.125	6,202.3	6,211.2	-0.143	0.018	-0.204	0.003	0.3938
Phase: 3	4,689,280	4,733,620	-0.937	5,776.8	5,779.3	-0.043	-0.902	-1.730	-2.531	0.4209
Final (Weighted):										
	8,961,100	9,006,700	-0.506	11,976.1	11,990.5	-0.120	-0.388	-1.173	-1.344	0.3614

Test Options:

Option	Description
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Test Options

Emission Summary Report

DHFID Hangup value	.020
Gain	.650
Constant Grade	.000
Diesel Regeneration Required	0
Background Particles for PN	.000
Background Particulates (PM)	.003
MINI DILUTER T/P DILUTION RATIO	9.960
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.089
Bag Methane Response Factor	1.098
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
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
Check Soak Time	Y
Weighted Dilution factor	14.210

Sequence Purpose

cFTP75 Emissions

Engr. SpclInst

Engineer needs to collect Diagra Data during soak period and at the end of drive cycle.

Test Comments

Emission Summary Report

System Comments

12/13/2023 10:43:03: Current filter for the tailpipe bench is #1. Filter swap strategy: swap

Sampling Type List

DCVS , Diesel Tailpipe / Particulates - Multiple

Test Request Purpose

T5305PV071 - ^{REDACTED} - IUVT Consent Decree Witness Testing 15MY 3.0L DSL DS (RL, PREP, FTP75, HFET, US06)

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