

EMISSIONS SUMMARY REPORT

Vehicle ID:	T4305PV066 / 8PFZ66	Test ID:	T4305PV066_US2XSP020823112901 / 1111549987
Test Req:	082012231372-5	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:	117193	Fuel Anal.#:	11022
AutoLoad File:	None	INCA Project File:	REDACTED_14MY_DS_4WD_Diesel.exp
Cell Temp Set Pt (F):	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 DS BLACK
Test Req. Purpose:	T4305PV066 -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	.0117	.0066	.0066	.0009	.0253	610.3	.0245	.0057	51.0	16.6806		.265
Cycle2	.0094	.0063	.0038	.0003	.0504	474.7	.0510	.0075	142.4	21.4215		1.018
Cycle3	.0044	.0024	.0030	.0013	.0082	379.4	.0081	.0015	594.9	26.8482		6.237
Cycle4	.0155	.0073	.0120	.0061	.0169	873.9	.0176	.0033	86.4	11.6420		.273
Cycle5	.0137	.0086	.0068	.0023	.2970	839.3	.3134	.0608	59.8	12.1279		.225

Modal Test Results:(Grams)												
Phase: 1												
IDLE	.0009	.0003	.0007	.0005	.0001	21.0	.0000	.0000	13.9	.2905		0
ACCEL	.0108	.0072	.0054	.0015	.1044	870.9	.1224	.0111	203.7	9.0529		0
DECEL	.0083	.0046	.0044	.0007	.0251	181.1	.0114	.0126	122.0	56.5244		0
TOTAL	.0200	.0121	.0105	.0027	.1295	1073.0	.1338	.0237	339.6			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0112	.0068	.0059	.0015	.0727	602.1	.0751	.0133	339.6	16.9024	0	1.782
Phase: 2												
IDLE	.0002	.0001	.0002	.0001	.0000	4.7	.0000	.0000	2.9	.2153		0
ACCEL	.0108	.0072	.0056	.0017	.0464	1057.2	.0465	.0090	243.3	18.3012		0
CRUISE	.0110	.0052	.0087	.0045	.0040	1046.3	.0038	.0003	249.4	29.7528		0
DECEL	.0051	.0023	.0041	.0021	.0007	257.9	.0002	.0002	99.3	50.6228		0
TOTAL	.0271	.0148	.0186	.0084	.0511	2366.1	.0505	.0095	594.8			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	.0044	.0024	.0030	.0013	.0082	379.4	.0081	.0015	594.8	26.8482	0	6.237
Phase: 1A												
IDLE	.0004	.0002	.0003	.0001	.0000	9.3			5.6	.1097		0
ACCEL	.0074	.0053	.0029	.0002	.0541	544.1			122.3	10.5226		0
DECEL	.0049	.0027	.0024	.0002	.0039	92.1			65.6	79.4848		0

Total Test Results										
Phase: 1A	0.0082	.0057	.0005	.0580	645.4		193.4			0
<u>Equivalent Mass Results: (Grams/Mile)</u>										
	.0099	.0064	.0044	.0004	.0452	502.7	193.4	20.2290	0	1.284
Phase: 1B										
IDLE	.0005	.0002	.0004	.0004	.0001	11.7	8.3	.4333		0
ACCEL	.0034	.0019	.0025	.0013	.0502	326.8	81.4	6.6074		0
DECEL	.0034	.0018	.0020	.0005	.0212	89.0	56.4	32.6108		0
TOTAL	.0073	.0039	.0048	.0022	.0715	427.6	146.2			0
<u>Equivalent Mass Results: (Grams/Mile)</u>										
	.0147	.0079	.0097	.0044	.1436	858.3	146.2	11.8593	0	.498
Total Equivalent Mass Results:(Grams/Mile)										
	.0059	.0034	.0036	.0014	.0225	428.9	.0230	.0041	934.5	23.7188

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00317	.00000	.08767	.00053	646.982	.00139	.0882	.0882	0.00185	15.7275
Phase: 2	.00225	.00000	.00979	.00002	393.263	.00164	.0098	.0098	0.00157	25.8923
CVS Total Mass Results: (Grams/Mile)										
	.00245	.00000	.02709	.00013	449.645	.00158	.0272	.0272	.00163	22.6126

Drive Metrics:

CSI	RMS
-14.445	.341

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,280,780	4,307,340	-0.617	2,867.2	2,852.2	0.526	-1.150	-1.193	-0.571	0.6387
Phase: 2	10,578,500	10,751,600	-1.611	10,037.2	10,035.8	0.014	-1.652	-8.744	-11.438	0.3542
Final:	14,859,200	15,059,000	-1.326	12,904.4	12,887.9	0.128	-1.474	-3.586	-5.860	0.4861

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / mh1294 Date: 11/29/2023 13:31:04

Validator's Comments: THIS TEST PASSED ALL VALIDITY CHECKS

Test Validation

Test Options:

Option	Description
Gain	.650
Constant Grade	.000
Diesel Regeneration Required	0
Background Particles for PN	.000
Background Particulates (PM)	.003
MINI DILUTER T/P DILUTION RATIO	9.640
DHFID Hangup value	.000
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.089
Bag Methane Response Factor	1.098
Soak Duration(Hrs)	24
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
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	14.950

Sequence Purpose

US06 Emissions

Engr. SpclInst

Engineer needs to collect Diagra Data at the end of drive cycle.

Req Spcl Inst

Use 8 ft exhaust pipe and Extra cooling.

System Comments

11/29/2023 12:28:33: Current filter for the tailpipe bench is #1. Filter swap strategy: swap

Sampling Type List

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

Test Request Purpose

T4305PV066 - 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.