

EMISSIONS SUMMARY REPORT

Vehicle ID:	V6DS63822 / 031M450	Test ID:	V6DS63822_EPA75_020720070101 / 1111015745
Test Req:	082012200801-4	Location:	CHRYSLER TECH CENTER
Test Type:	EPA75	Facility:	Test Cell 7
Requestor:	REDACTED	Shift Sched.:	AUTO
Driver:	REDACTED	Option(s):	Tailpipe modal & Bag
Operator:	REDACTED	Fuel Type:	MS10756
Start Odometer:	117043	Fuel Anal.#:	10892
AutoLoad File:	None	INCA Project File:	V6DS63822_16DS30_CD_TP.exp
Cell Temp Set Pt:	75	Altitude Set Pt.(ft.):	930
Test Segment:	1/1	Vehicle Desc.:	0.00 1500 RAM WHITE
Test Req. Purpose:	V6DS63822 – Consent Decree – Tailpipe Emissions		
Seq. Purpose:	cFTP75 – MY 16 DS – Consent Decree Tailpipe		

Individual Cycles:(Grams/Mile)

	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Time-63	.2641	.1329	.1111	15.4122	.4113	718.3	.4638	.0488	44.2	13.6946		.207
Cycle1	.5272	.3096	.2298	7.4116	.2717	549.3	.2788	.0284	92.8	18.0963		.673
Cycle2	.1786	.0905	.1013	.0373	.1907	457.2	.1930	.0115	194.0	22.2359		1.963
Cycle11	.0586	.0149	.0469	.0002	.0012	292.3	.0000	.0000	124.1	34.8264		1.362
Cycle19	.1959	.0405	.1658	.0565	.0642	448.4	.0660	.0036	81.3	22.6776		.674

Modal Test Results:(Grams)

Phase: 1	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
IDLE	.0447	.0322	.0139	.0894	.0223	78.3	.0229	.0004	34.8	129.9857	0	
ACCEL	.2077	.0994	.1305	1.9650	.3034	764.7	.3216	.0165	160.3	13.2370	0	
CRUISE	.3427	.1801	.1529	1.3536	.1558	682.9	.1465	.0135	143.8	14.8290	0	
DECEL	.1442	.0955	.0710	1.6590	.0820	221.2	.0798	.0113	84.9	45.4145	0	
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.1		0	
TOTAL	.7393	.4072	.3684	5.0669	.5636	1747.2	.5708	.0417	423.9		0	

Phase: 1 Equivalent Mass Results: (Grams/Mile)

.2058 .1133 .1025 1.4101 .1568 486.2 .1588 .0116 423.9 20.8150 0 3.593

Phase: 2	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
IDLE	.0081	.0028	.0056	.0002	.0004	74.0	.0000	.0000	39.3	137.4640	0	
ACCEL	.1553	.0394	.1114	.0016	.0061	911.1	.0027	.0000	222.7	11.1639	0	
CRUISE	.1028	.0292	.0843	.0009	.0023	502.5	.0000	.0000	161.9	20.2171	0	
DECEL	.0501	.0159	.0441	.0005	.0023	197.3	.0004	.0003	111.9	51.6124	0	
TOTAL	.3162	.0873	.2455	.0033	.0111	1685.0	.0031	.0003	535.8		0	

Phase: 2 Equivalent Mass Results: (Grams/Mile)

.0819 .0226 .0636 .0009 .0029 436.4 .0008 .0001 535.8 23.3251 0 3.861

Phase: 3	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
IDLE	.0063	.0024	.0042	.0008	.0012	55.3	.0011	.0000	30.6	184.9510	0	
ACCEL	.1120	.0269	.0927	.5321	.0980	656.2	.1088	.0057	149.8	15.4839	0	
CRUISE	.1211	.0270	.0995	.0094	.0353	563.7	.0308	.0039	133.7	18.0295	0	

Modal Test Results										
HC	.034	.0343	.0300	.0132	169.5	.0107	.0019	94.2	60.1500	0
CRANK	.0000	.0000	.0000	.0000	.1	.0000	.0000	.1		0
TOTAL	.2791	.0697	.2307	.5722	1444.7	.1514	.0115	408.4		0
Phase: 3 <u>Equivalent Mass Results: (Grams/Mile)</u>										
	.0777	.0194	.0642	.1593	.0411	402.2	.0032	408.4	25.2816	0 3.592
Weighted Total Equivalent Mass Results:(Grams/Mile)										
	.1064	.0405	.0718	.3365	.0453	437.3	.0449	.0033	1368.1	23.2393 0 11.047

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.19209	1.43304	.15465	.10130	472.187	.09790	.25594	0.19287	21.4291
Phase: 2	.07176	.00000	.00224	.01350	424.646	.06241	.01575	0.07190	23.9303
Phase: 3	.06767	.15891	.04125	.01094	390.574	.06191	.05219	0.06885	25.9939
CVS Weighted Mass Results:(Grams/Mile)									
	.09558	.34068	.04455	.03100	425.140	.06963	.07554	.09613	23.8960

Drive Metrics:

CSI	RMS
.065	.296

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,712,730	4,733,910	-0.447	5,781.7	5,779.5	0.038	-0.488	-1.438	-2.824	0.3198
Phase: 2	4,297,120	4,272,760	0.570	6,215.5	6,211.3	0.068	0.499	0.457	0.690	0.3271
Phase: 3	4,723,540	4,733,690	-0.215	5,780.3	5,780.1	0.004	-0.219	-1.020	-2.033	0.3371
Final (Weighted):										
	9,016,010	9,006,550	0.105	11,996.4	11,991.1	0.044	0.061	-0.467	-0.757	0.2885

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / spp23 Date: 07/01/2020 14:22:58

Validator's Comments: This test is valid

Test Options:

Option	Description
DHFID Hangup value	.009
Gain	.650
Constant Grade	.000

Test Options

Emission Summary Report

Diesel Regeneration Required	0
Background Particles	.000
Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	10.240
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	21
CVS K Coeff	254.900
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
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	13.290

Sequence Purpose

cFTP75 – MY 16 DS – Consent Decree Tailpipe

Req Spcl Inst

Connect DCAN Cable – Automatically setting ROLLS MODE!

Shift Comments

D| Dual Exhaust

Sampling Type List

DCVS , Diesel Tailpipe / Particulates – Multiple

Test Request Purpose

V6DS63822 – Consent Decree – Tailpipe Emissions

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