

EMISSIONS SUMMARY REPORT

Vehicle ID:	V6DS63822 / 031M450	Test ID:	V6DS63822_US2XSP020720070101 / 1111015747
Test Req:	082012200801-6	Location:	CHRYSLER TECH CENTER
Test Type:	US06(2X) – using Split Bag US06	Facility:	Test Cell 7
Requestor:	REDACTED	Shift Sched.:	AUTO
Driver:	REDACTED	Option(s):	Tailpipe modal & Bag
Operator:	REDACTED	Fuel Type:	MS10756
Start Odometer:	117074	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:	3/3	Vehicle Desc.:	0.00 1500 RAM WHITE
Test Req. Purpose:	V6DS63822 – Consent Decree – Tailpipe Emissions		
Seq. Purpose:	US06 – MY16 DS – Consent Decree Tailpipe		

	Individual Cycles:(Grams/Mile)								Tailpipe:			
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0115	.0036	.0112	.0023	.1503	692.8	.1579	.0240	53.0	14.6830		.263
Cycle2	.0068	.0037	.0044	.0017	.1600	498.7	.1655	.0139	141.7	20.3915		1.015
Cycle3	.0046	.0023	.0031	.0009	.0532	380.7	.0562	.0069	567.6	26.7071		6.227
Cycle4	.0144	.0055	.0127	.0006	.1900	969.4	.2074	.0259	87.9	10.5009		.274
Cycle5	.0114	.0061	.0076	.0017	.8598	918.8	.9404	.0944	58.9	11.0723		.221

Modal Test Results:(Grams)

Phase: 1

IDLE	.0008	.0002	.0007	.0000	.0008	16.6	.0005	.0000	14.6	.1837		0
ACCEL	.0099	.0044	.0076	.0021	.3092	880.0	.3628	.0192	204.1	8.9180		0
DECEL	.0058	.0029	.0042	.0007	.1342	260.6	.1111	.0292	122.7	39.1349		0
TOTAL	.0164	.0075	.0125	.0028	.4442	1157.3	.4744	.0484	341.4			0

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

	.0093	.0042	.0071	.0016	.2505	652.6	.2675	.0273	341.4	15.5825	0	1.773
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Phase: 2

IDLE	.0003	.0001	.0002	.0000	.0001	4.0	.0000	.0000	3.1			0
ACCEL	.0134	.0076	.0075	.0039	.2506	1068.5	.2741	.0353	231.8	18.0415		0
CRUISE	.0101	.0046	.0079	.0012	.0591	1028.4	.0584	.0041	234.0	30.1945		0
DECEL	.0048	.0022	.0037	.0003	.0215	269.7	.0177	.0035	98.7	48.2238		0
TOTAL	.0286	.0146	.0192	.0055	.3313	2370.6	.3502	.0429	567.6			0

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

	.0046	.0023	.0031	.0009	.0532	380.7	.0562	.0069	567.6	26.7071	0	6.227
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Phase: 1A

IDLE	.0004	.0001	.0003	.0000	.0001	7.9			6.0			0
ACCEL	.0063	.0029	.0046	.0018	.1782	564.8			122.6	10.1047		0
DECEL	.0032	.0016	.0025	.0005	.0236	115.7			66.2	63.1989		0
TOTAL	.0099	.0047	.0074	.0023	.2019	688.4			194.7			0

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

Modal Test Results

	.0077	.0036	.0058	.0018	.1580	538.6		194.7	18.8782	0	1.278
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Phase: 1B

IDLE	.0003	.0001	.0004	.0000	.0007	8.7		8.6	.3500	0
ACCEL	.0035	.0015	.0030	.0003	.1310	315.1		81.6	6.8018	0
DECEL	.0026	.0013	.0017	.0002	.1106	145.0		56.5	19.9515	0
TOTAL	.0065	.0029	.0051	.0005	.2423	468.8		146.7		0

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

	.0130	.0058	.0104	.0011	.4893	946.8		146.7	10.7449	0	.495
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Total Equivalent Mass Results: (Grams/Mile)

	.0056	.0028	.0040	.0010	.0969	441.0	.1031	.0114	909.0	23.0734	0	8.000
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CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00359	.00000	.29821	.00061	678.220	.00184	.2988	.29882	0.00233	15.0084
Phase: 2	.00074	.00000	.06600	.00064	387.930	.00141	.0666	.06664	0.00196	26.2259

CVS Total Mass Results: (Grams/Mile)

	.00137	.00000	.11747	.00063	452.273	.00150	.1181	.11810	.00204	22.5126
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Drive Metrics:

CSI	RMS
-19.016	.335

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,575,720	4,604,910	-0.634	2,854.9	2,852.2	0.095	-0.733	-0.634	-0.684	0.6055
Phase: 2	10,718,400	10,948,300	-2.099	10,022.6	10,036.0	-0.133	-2.008	-10.096	-13.352	0.3693
Final:	15,294,100	15,553,200	-1.666	12,877.5	12,888.2	-0.083	-1.609	-3.633	-6.852	0.4762

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 07/01/2020 13:07:39

Validator's Comments:

Test Options:

Option	Description
DHFID Hangup value	.004
Gain	.650

Test Options

Emission Summary Report

Constant Grade	.000
Diesel Regeneration Required	0
Background Particles	.000
Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	10.260
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	23
Threshold	350
CVS K Coeff	539.114
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
Abort test on dead battery	Y
Abort Test on INCA Failure	Y
Augmented Braking	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
Wrap Cursor	Y
Weighted Dilution factor	12.860

Sequence Purpose

US06 – MY16 DS – Consent Decree Tailpipe

Req Spcl Inst

Use 8 ft exhaust pipe and Extra cooling.

Connect DCAN Cable – Automatically setting ROLLS MODE!

Shift Comments

D| Dual Exhaust

Sampling Type List

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

Test Request Purpose

Test Comments

Emission Summary Report

V6DS63822 – Consent Decree – Tailpipe Emissions

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