

**EMISSIONS SUMMARY REPORT**

Vehicle ID: **V6DS63822 / 031M450** Test ID: **V6DS63822\_HWFE2X020720070101 / 1111015746**  
 Test Req: **082012200801-5** Location: **CHRYSLER TECH CENTER**  
 Test Type: **HWFE(2X)** Facility: **Test Cell 7** Start Time: **07/01/2020 11:29:52**  
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **07/01/2020 11:55:37**  
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: (lbs) **6000**  
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **10.58**  
 Start Odometer: **117054** Fuel Anal.#: **10892** Road Load Coeff B: **.2664**  
 AutoLoad File: **None** INCA Project File: **V6DS63822\_16DS30\_CD\_TP.exp** Road Load Coeff C: **0.03313**  
 Cell Temp Set Pt: **75** Altitude Set Pt(ft.): **930** Hum. Set Pt (Grains): **50.00**  
 Test Segment: **3/3** Vehicle Desc.: **0.00 1500 RAM WHITE** Emissions Standard: **EPA**  
 Test Req. Purpose: **V6DS63822 – Consent Decree – Tailpipe Emissions**  
 Seq. Purpose: **HFET – MY 16 DS – Consent Decree Tailpipe**

**Individual Cycles:(Grams/Mile) Tailpipe:**

	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0065	.0035	.0035	.0002	.0027	271.9	.0020	.0001	758.6	37.4081		10.255

**Modal Test Results:(Grams)**

Phase: 1

ACCEL	.0197	.0103	.0108	.0008	.0132	858.1	.0102	.0004	221.5	11.8591	0
CRUISE	.0274	.0147	.0144	.0006	.0101	1155.5	.0081	.0002	312.9	8.8020	0
DECEL	.0077	.0042	.0042	.0001	.0013	233.9	.0005	.0002	86.0	43.4817	0
STEADY	.0119	.0064	.0064	.0002	.0033	540.3	.0019	.0000	138.2	18.8428	0
TOTAL	.0667	.0356	.0359	.0017	.0279	2787.7	.0207	.0008	758.6		0

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

	<b>.0065</b>	<b>.0035</b>	<b>.0035</b>	<b>.0002</b>	<b>.0027</b>	<b>271.9</b>	<b>.0020</b>	<b>.0001</b>	<b>758.6</b>	<b>37.4081</b>	<b>0</b>	<b>10.255</b>
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**CVS Mass Results: (Grams/Mile)**

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00205	.00000	.00245	.00058	273.147	.00195	.00304	0.00241	37.2732

**Drive Metrics:**

	CSI	RMS
	-4.484	.218

**SAE Drive Metrics:**

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	12,018,100	12,092,800	-0.618	16,503.2	16,508.3	-0.031	-0.591	-5.348	-6.529	0.3078

# Test Validation

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system Date: 07/01/2020 12:09:11

Validator's Comments:

## Test Options:

Option	Description
DHFID Hangup value	.004
Gain	.650
Constant Grade	.000
Diesel Regeneration Required	0
Background Particles	.000
Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	10.310
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	22
CVS K Coeff	254.900
Threshold	350
Trace Start Method	Crank (Pendant)
Charging Type	CS
Pre Test Vehicle Temperature	Hot
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	9.700

## Test Comments

## Emission Summary Report

### **Sequence Purpose**

HFET – MY 16 DS – Consent Decree Tailpipe

### **Req Spcl Inst**

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**

V6DS63822 – Consent Decree – Tailpipe Emissions

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