

EMISSIONS SUMMARY REPORT

Vehicle ID: **T6305PV55 / ESY354** Test ID: **T6305PV55_HWFE2X010720051301 / 574148178**
 Test Req: **082011200571-2** Location: **CHELSEA PROVING GROUNDS (Chrysler LLC)**
 Test Type: **HWFE(2X)** Facility: **Test Cell 7** Start Time: **05/13/2020 10:22:10**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **05/13/2020 10:47:55**
 Driver: **REDACTED** Option(s): **Tailpipe modal &Bag** Inertia Weight: (lbs) **6000**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **15.69**
 Start Odometer: **91546** Fuel Anal.#: **10854** Road Load Coeff B: **.1348**
 AutoLoad File: **None** INCA Project File: **null** Road Load Coeff C: **0.03445**
 Cell Temp Set Pt: **75** Altitude Set Pt(ft.): **0** Hum. Set Pt (Grains): **50.00**
 Test Segment: **3/3** Vehicle Desc.: **0.00 DS6H91 Dk. Garnet** Emissions Standard: **EPA**
 Test Req. Purpose: **16MY-T03.05PV CERT - IUVT Consent Decree (EPA74, HWYx2) - Retest 3.0L DS A8 - Fed - MS10756 - BIN5**
 Seq. Purpose: **IUVT - HWFE**

Individual Cycles:(Grams/Mile)	Tailpipe:											
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0131	.0091	.0044	.0031	.0003	287.1	.0000	.0000	822.2	35.4507		10.262

Modal Test Results:(Grams)

Phase: 1

ACCEL	.0402	.0284	.0133	.0096	.0014	897.7	.0000	.0000	240.3	11.3299	0
CRUISE	.0540	.0373	.0191	.0126	.0008	1189.7	.0000	.0000	333.7	8.5498	0
DECEL	.0156	.0107	.0055	.0032	.0002	238.5	.0000	.0000	93.1	42.7464	0
STEADY	.0242	.0176	.0076	.0066	.0005	620.5	.0000	.0000	155.1	16.4102	0
TOTAL	.1339	.0939	.0455	.0320	.0030	2946.3	.0000	.0000	822.2		0

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

	.0131	.0091	.0044	.0031	.0003	287.1	.0000	.0000	822.2	35.4507	0	10.262
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CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00169	.00000	.00026	.00031	281.159	.00182	.0006	0.00204	36.2121

Drive Metrics:

CSI	RMS
2.407	.108

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	12,410,500	12,406,800	0.030	16,515.7	16,507.1	0.052	-0.022	-2.121	-2.530	0.1509

Test Validation

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 05/13/2020 11:10:03

Validator's Comments:

Quick Check CoastDown:

	RUN #1	RUN #2	RUN #3	RUN #4
A=	60.2332	56.1700	56.0312	56.1003
B=	-0.2484	-0.0047	-0.0502	-0.0760
C=	0.0403	0.0379	0.0386	0.0389

Match Time 55-45 MPH Coastdown time from measured coefficients

Avg. Time

19.2000 sec	18.7520 sec 97.67%	18.4550 sec 96.12%	18.5064 sec 96.39%	18.5409 sec 96.57%	18.5008 sec 96.36%
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Test Options:

Option	Description
Constant Grade	.000
Threshold	0
Gain	.000
Background Particles	.000
Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	11.540
CVS K Coeff	348.900
DHFID Hangup value	.000
Tailpipe Methane Response Factor	1.025
DHFID Methane Response Factor	1.090
Bag Methane Response Factor	1.099
Soak Duration(Hrs)	119
CVS Main Flow Preset Point Selection	4
Trace Start Method	Crank (Pendant)
Charging Type	CS
Pre Test Vehicle Temperature	Hot
Actual Driver	Human
CVS Venturi Selection	MainFlow[4]
DynoGrade Type	None
Special Test Qualifications	None

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Test Options

Emission Summary Report

OBD II Monitor	None Requested
Abort test on dead battery	Y
Abort Test on INCA Failure	Y
Cert Mode	Y
DbW Available	Y
Diesel Test	Y
Hybrid Test	Y
Quick Check Coast Downs	Y
SAE Calculations Required	Y
WLTP Fan Required	Y
Weighted Dilution factor	9.870

Sequence Purpose

IUVT – HWFE

Engr. SpclInst

Engineer to take INCA data during test and vehicle scans before and after test

System Comments

05/13/2020 11:00:40: CoastDown Succeeded, The Average Coastdown time is 18.50,The match time is 19.20, The Average Coastdown time is 96.36 percent of Given Match time.

Sampling Type List

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

Test Request Purpose

16MY–T03.05PV CERT – IUVT Consent Decree (EPA74, HWYx2) – Retest 3.0L DS A8 – Fed – MS10756 – BIN5

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