

EMISSIONS SUMMARY REPORT

Vehicle ID: **T4305PV55 / FGD8980** Test ID: **T4305PV55_HWFE2X011620031801 / 578863017**
 Test Req: **082011200468-5** Location: **CHELSEA PROVING GROUNDS (Chrysler LLC)**
 Test Type: **HWFE(2X)** Facility: **Test Cell 16** Start Time: **03/18/2020 13:09:08**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **03/18/2020 13:34:53**
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: (lbs) **5500**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **23.60**
 Start Odometer: **87838** Fuel Anal.#: **10854** Road Load Coeff B: **.2534**
 AutoLoad File: **None** INCA Project File: **null** Road Load Coeff C: **0.02717**
 Cell Temp Set Pt: **75** Altitude Set Pt(ft.): **0** Hum. Set Pt (Grains): **50.00**
 Test Segment: **3/3** Vehicle Desc.: **0.00 WKJP74 Brilliant** Emissions Standard: **EPA**
 Test Req. Purpose: **14MY-T03.05PV CERT - IUVT Consent Decree (RL, Prep, EPA75, HWY, US06) 3.0L WK A8 - Fed - MS10756 - BIN5**
 Seq. Purpose: **IUVP - HWFE**

Individual Cycles:(Grams/Mile)	Tailpipe:											
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Cycle1	.0033	.0000	.0000	.0101	.0004	260.1	.0000	.0004	684.5	39.1340		10.264

Modal Test Results:(Grams)

Phase: 1

ACCEL	.0097	.0000	.0000	.0306	.0014	804.8	.0000	.0014	192.8	12.6395		0
CRUISE	.0136	.0000	.0000	.0425	.0016	1106.2	.0000	.0016	281.8	9.1997		0
DECEL	.0047	.0000	.0000	.0115	.0003	239.4	.0000	.0003	81.2	42.5710		0
STEADY	.0063	.0000	.0000	.0192	.0005	519.0	.0000	.0005	128.7	19.6047		0
TOTAL	.0343	.0000	.0000	.1038	.0039	2669.3	.0000	.0039	684.5			0

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

	.0033	.0000	.0000	.0101	.0004	260.1	.0000	.0004	684.5	39.1340	0	10.264
--	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	----------------	----------	---------------

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00186	.00152	.00006	.00034	265.810	.00196	.0004	0.00204	38.2541

Drive Metrics:

CSI	RMS
.802	.127

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	11,638,000	11,635,800	0.019	16,518.5	16,507.3	0.068	-0.049	-0.583	-0.516	0.1767

Test Validation

Test Validation: Valid: Invalid: Retest: Accept: NIC: system Date: 03/18/2020 13:57:00

Validator's Comments:

Quick Check CoastDown:

	RUN #1	RUN #2	RUN #3	RUN #4
A=	59.9328	58.8834	58.6143	58.1924
B=	0.0774	0.0855	0.0629	0.0782
C=	0.0314	0.0311	0.0315	0.0313

Match Time 55–45 MPH Coastdown time from measured coefficients

Avg. Time

18.0500 sec	17.8164 sec 98.71%	18.0041 sec 99.75%	18.0628 sec 100.07%	18.0763 sec 100.15%	18.0478 sec 99.99%
-------------	-----------------------	-----------------------	------------------------	------------------------	-----------------------

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	8.130
Weighted Dilution factor	15.930
DHFID Hangup value	.000
Bag Methane Response Factor	1.000
DHFID Methane Response Factor	1.000
Tailpipe Methane Response Factor	1.000
Soak Duration(Hrs)	24
CVS K Coeff	426.213
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

03/18/20 15:29:33

2/3

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

Sequence Purpose

IUVP – HWFE

Engr. SpclInst

Engineer to take vehicle scans before and after each sequence

System Comments

03/18/2020 13:42:35: Reported Bag NMHC is calculated, not from analyzer

03/18/2020 13:46:48: CoastDown Succeeded, The Average Coastdown time is 18.05,The match time is 18.05, The Average Coastdown time is 99.99 percent of Given Match time.

Sampling Type List

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

Test Request Purpose

14MY–T03.05PV CERT – IUVT Consent Decree (RL, Prep, EPA75, HWY, US06) 3.0L WK A8 – Fed – MS10756 – BIN5

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