

EMISSIONS SUMMARY REPORT

Vehicle ID: **T4305PV60 / JUJUB** Test ID: **T4305PV60_EPA75_020821012801 / 1111541277**
 Test Req: **082012210159-4** Location: **CHRYSLER TECH CENTER**
 Test Type: **EPA75** Facility: **Test Cell 8** Start Time: **01/28/2021 10:10:19**
 Requestor: **REDACTED** Shift Sched.: **AUTO** Trace End: **01/28/2021 10:50:50**
 Driver: **REDACTED** Option(s): **Tailpipe modal & Bag** Inertia Weight: (lbs) **5500**
 Operator: **REDACTED** Fuel Type: **MS10756** Road Load Coeff A: **16.76**
 Start Odometer: **96064** Fuel Anal.#: **10933** Road Load Coeff B: **.5257**
 AutoLoad File: **None** INCA Project File: **2014_WK_REDACTED.exp** Road Load Coeff C: **0.02406**
 Cell Temp Set Pt (F): **75** Altitude Set Pt(ft.): **930** Hum. Set Pt (Grains): **50.00**
 Test Segment: **1/1** Vehicle Desc.: **0.00 WKJP74 Granite Cr** Emissions Standard: **EPA**
 Test Req. Purpose: **T4305PV43 - REDACTED - IUVT Consent Decree 14MY 3.0L DSL WK (RL, PREP, FTP75, HFET, US06)**
 Seq. Purpose: **cFTP75 Emissions**

	Individual Cycles:(Grams/Mile)				Tailpipe:				ExVol	MPG	DM	Miles
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2				
Time-63	.2038	.1387	.0575	8.2424	.7411	818.2	.7539	.0589	46.9	12.2365		.209
Cycle1	.4310	.3260	.1105	6.0654	.3781	573.5	.3785	.0253	101.2	17.3974		.673
Cycle2	.1396	.0986	.0433	.0279	.1967	431.5	.1907	.0137	190.1	23.5829		1.962
Cycle11	.0977	.0137	.0928	.0082	.0008	308.0	.0000	.0000	141.3	33.0034		1.363
Cycle19	.2510	.0215	.2528	.0304	.0210	404.3	.0189	.0012	65.8	25.1352		.677

Modal Test Results:(Grams)

Phase: 1	IDLE	ACCEL	CRUISE	DECEL	CRANK	TOTAL
	.0424	.1491	.3224	.0794	.0000	.5934
	.0297	.1017	.2283	.0699	.0000	.4297
	.0137	.0399	.1011	.0189	.0000	.1736
	.2304	.9623	2.2329	.7243	.0000	4.1499
	.0236	.3744	.1523	.0923	.0000	.6425
	99.6	796.0	665.1	125.3	.0	1686.0
	.0232	.3742	.1473	.0845	.0000	.6292
	.0001	.0246	.0086	.0105	.0000	.0438
	34.5	160.8	148.3	92.4	.0	435.9
	101.2574	12.7520	15.1986	80.5164		
	0	0	0	0	0	0

Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>						DM	Miles				
	.1649	.1194	.0483	1.1534	.1786	468.6	.1749	.0122	435.9	21.5896	0	3.598

Phase: 2	IDLE	ACCEL	CRUISE	DECEL	TOTAL
	.0092	.2770	.1135	.0259	.4256
	.0022	.0300	.0187	.0067	.0576
	.0075	.2618	.1096	.0259	.4048
	.0027	.0164	.0151	.0056	.0398
	.0001	.0018	.0011	.0004	.0034
	97.5	929.6	493.2	99.9	1620.2
	.0000	.0000	.0000	.0000	.0000
	.0000	.0000	.0000	.0000	.0000
	34.5	200.5	179.5	102.9	517.4
	103.8047	10.9310	20.6242	101.6584	
	0	0	0	0	0

Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>						DM	Miles				
	.1101	.0149	.1047	.0103	.0009	419.1	.0000	.0000	517.4	24.2649	0	3.866

Phase: 3	IDLE	ACCEL	CRUISE
	.0052	.1111	.1762
	.0008	.0061	.0151
	.0048	.1229	.1732
	.0026	.0273	.0120
	.0004	.0634	.0063
	59.9	678.3	525.1
	.0001	.0590	.0042
	.0000	.0089	.0005
	25.3	134.9	116.8
	169.5522	14.9998	19.3614
	0	0	0

Modal Test Results												
HC	.033	.0289	.0061	.0027	100.3	.0017	.0001	84.2	101.6681	0		
CRANK	.0000	.0000	.0000	.0000	.0	.0000	.0000	.0		0		
TOTAL	.3155	.0253	.3299	.0481	.0728	1363.6	.0650	.0095	361.2	0		
Phase: 3 <u>Equivalent Mass Results: (Grams/Mile)</u>												
	.0878	.0071	.0918	.0134	.0202	379.3	.0181	.0026	361.2	26.8283	0	3.595
Weighted Total Equivalent Mass Results:(Grams/Mile)												
	.1153	.0344	.0895	.2481	.0430	418.4	.0412	.0032	1314.5	24.3000	0	11.059

CVS Mass Results: (Grams/Mile)

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.15028	1.12503	.17581	.10964	462.081	.04174	.2855	0.14945	21.9189
Phase: 2	.10061	.00298	.00061	.00982	417.143	.09044	.0104	0.09609	24.3846
Phase: 3	.09021	.00693	.02219	.00416	370.597	.08756	.0263	0.08767	27.4063
CVS Weighted Mass Results:(Grams/Mile)									
	.10805	.23663	.04285	.02895	413.675	.07956	.0718	.10484	24.5372

Drive Metrics:

CSI	RMS
-4.568	.310

SAE Drive Metrics:

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,479,400	4,519,350	-0.884	5,789.8	5,779.2	0.183	-1.076	-2.103	-2.904	0.3765
Phase: 2	4,161,840	4,176,060	-0.340	6,222.3	6,211.0	0.182	-0.524	-0.025	-0.121	0.3344
Phase: 3	4,480,780	4,519,440	-0.855	5,784.2	5,779.5	0.081	-0.945	-1.741	-2.870	0.3249
Final (Weighted):										
	8,642,030	8,695,460	-0.614	12,008.9	11,990.4	0.155	-0.774	-1.063	-1.426	0.3025

Test Validation: Valid: Invalid: Retest: Accept: NIC: system / wab14 Date: 01/28/2021 13:56:20

Validator's Comments:

Test Options:

Option	Description
DHFID Hangup value	.002
Gain	.650
Constant Grade	.000

Test Options

Emission Summary Report

Diesel Regeneration Required	0
Background Particles for PN	.000
Background Particulates (PM)	.000
MINI DILUTER T/P DILUTION RATIO	9.020
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.083
Bag Methane Response Factor	1.102
Soak Duration(Hrs)	19
CVS K Coeff	278.855
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
Cert Mode	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	14.970

Sequence Purpose

cFTP75 Emissions

Engr. SpclInst

Engineer needs to collect DiagaRA data at the end of phases 2 and 3.

Sampling Type List

DCVS , Diesel Tailpipe / Particulates – Multiple

Test Request Purpose

T4305PV43 – REDACTED – IUVT Consent Decree 14MY 3.0L DSL WK (RL, PREP, FTP75, HFET, US06)

Informational Report Comments

ProcLnch – Initialization failure for INCA! Retry?

Test Comments

Emission Summary Report

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