

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>T5305PV068 / GQY9593</b>	Test ID:	<b>T5305PV068_EPA75_020823021701 / 1111548046</b>
Test Req:	<b>082012230166-2</b>	Location:	CHRYSLER TECH CENTER
Test Type:	<b>EPA75</b>	Facility:	<b>Test Cell 8</b>
Requestor:	<b>REDACTED</b>	Shift Sched.:	AUTO
Driver:	<b>REDACTED</b>	Option(s):	Tailpipe modal & Bag
Operator:	<b>REDACTED</b>	Fuel Type:	MS10756
Start Odometer:	115589	Fuel Anal.#:	11022
AutoLoad File:	None	INCA Project File:	15MY_DS_30L_DSL <sup>REDACTED</sup> .exp
Cell Temp Set Pt (F):	75	Altitude Set Pt(ft.):	930
Test Segment:	1/1	Vehicle Desc.:	0.00 DS6H98 GRAY
Test Req. Purpose:	T5305PV068- <sup>REDACTE</sup> - IUVT Consent Decree Witness Testing 15MY 3.0L DSL DS (RL, PREP, FTP75, HFET, US06)		
Seq. Purpose:	cFTP75 Emissions		

	Individual Cycles:(Grams/Mile)			Tailpipe:								
	HC	NMHC	CH4	CO	NOX	CO2	NO	NO2	ExVol	MPG	DM	Miles
Time-63	.2098	.1220	.0889	11.2449	.4777	755.9	.4966	.0360	42.4	13.1415		.208
Cycle1	.5272	.3852	.1529	7.5252	.2664	518.8	.2676	.0184	88.5	19.1094		.673
Cycle2	.1809	.1155	.0728	.0469	.1891	424.8	.1818	.0149	190.4	23.9064		1.961
Cycle11	.0704	.0172	.0589	.0008	.0015	279.5	.0000	.0000	118.4	36.4435		1.365
Cycle19	.1573	.0370	.1305	.0861	.0305	417.7	.0286	.0027	77.0	24.3069		.672

Modal Test Results:(Grams)												
Phase: 1												
IDLE	.0502	.0357	.0153	.1918	.0201	92.6	.0196	.0002	31.3	108.8822		0
ACCEL	.1810	.1260	.0596	1.6044	.3404	770.6	.3313	.0293	160.4	13.1456		0
CRUISE	.4284	.2686	.1621	2.5088	.1341	643.2	.1257	.0092	142.6	15.6961		0
DECEL	.0802	.0726	.0236	.8557	.0780	127.7	.0784	.0048	81.3	78.5140		0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.1			0
TOTAL	.7399	.5028	.2605	5.1607	.5725	1634.2	.5550	.0435	415.8			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.2060</b>	<b>.1400</b>	<b>.0725</b>	<b>1.4367</b>	<b>.1594</b>	<b>454.9</b>	<b>.1545</b>	<b>.0121</b>	<b>415.8</b>	<b>22.2220</b>	<b>0</b>	<b>3.592</b>
Phase: 2												
IDLE	.0091	.0026	.0068	.0006	.0006	94.2	.0000	.0000	32.4	108.2206		0
ACCEL	.2269	.0530	.1792	.0016	.0049	931.2	.0002	.0000	208.9	10.9215		0
CRUISE	.1029	.0295	.0844	.0018	.0025	445.0	.0000	.0000	150.2	22.8502		0
DECEL	.0285	.0126	.0263	.0008	.0014	100.9	.0000	.0000	108.2	100.6590		0
TOTAL	.3674	.0977	.2967	.0047	.0095	1571.2	.0002	.0000	499.7			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0948</b>	<b>.0252</b>	<b>.0766</b>	<b>.0012</b>	<b>.0025</b>	<b>405.6</b>	<b>.0001</b>	<b>.0000</b>	<b>499.7</b>	<b>25.0450</b>	<b>0</b>	<b>3.874</b>
Phase: 3												
IDLE	.0049	.0014	.0039	.0008	.0005	60.4	.0000	.0000	26.5	169.5522		0

Modal Test Results											
ACCEL	.0816	.0157	.0711	.0469	.0570	673.3	.0540	.0074	147.4	15.1123	0
CRUISE	.0964	.0219	.0816	.0019	.0117	526.7	.0084	.0008	128.7	19.2978	0
DECEL	.0204	.0094	.0185	.0127	.0032	91.0	.0015	.0005	85.8	111.7251	0
CRANK	.0000	.0000	.0000	.0000	.0000	.2	.0000	.0000	.1		0
TOTAL	.2062	.0484	.1751	.0623	.0724	1351.6	.0639	.0087	388.5		0
Phase: 3 Equivalent Mass Results: (Grams/Mile)											
	<b>.0575</b>	<b>.0135</b>	<b>.0489</b>	<b>.0174</b>	<b>.0202</b>	<b>377.0</b>	<b>.0178</b>	<b>.0024</b>	<b>388.5</b>	<b>26.9762</b>	<b>0 3.585</b>
Weighted Total Equivalent Mass Results:(Grams/Mile)											
	<b>.1076</b>	<b>.0458</b>	<b>.0681</b>	<b>.3026</b>	<b>.0398</b>	<b>408.0</b>	<b>.0369</b>	<b>.0032</b>	<b>1304.0</b>	<b>24.8911</b>	<b>0 11.051</b>

**CVS Mass Results: (Grams/Mile)**

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG	
Phase: 1	.19778	1.46663	.15854	.13422	462.034	.07087		.2928	0.20190	21.8858
Phase: 2	.08581	.00000	.00182	.01419	408.152	.07292		.0160	0.08383	24.9245
Phase: 3	.05167	.00327	.01985	.00790	378.561	.04601		.0277	0.05184	26.8375
CVS Weighted Mass Results:(Grams/Mile)										
	<b>.09962</b>	<b>.30431</b>	<b>.03918</b>	<b>.03730</b>	<b>411.193</b>	<b>.06512</b>		<b>.0765</b>	<b>.09949</b>	<b>24.7115</b>

**Drive Metrics:**

CSI	RMS
-1.348	.351

**SAE Drive Metrics:**

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,672,820	4,733,550	-1.283	5,780.9	5,779.3	0.028	-1.328	-3.052	-4.638	0.4151
Phase: 2	4,282,380	4,273,150	0.216	6,235.2	6,211.5	0.381	-0.164	-0.596	-0.760	0.3980
Phase: 3	4,679,160	4,734,030	-1.159	5,768.6	5,779.2	-0.184	-0.987	-1.738	-2.828	0.3581
<b>Final (Weighted):</b>										
	<b>8,958,810</b>	<b>9,006,980</b>	<b>-0.535</b>	<b>12,009.1</b>	<b>11,990.8</b>	<b>0.152</b>	<b>-0.691</b>	<b>-1.578</b>	<b>-2.104</b>	<b>0.3438</b>

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system / wab14 Date: 02/17/2023 13:57:00

Validator's Comments:

## Test Options

## Emission Summary Report

### Test Options:

Option	Description
DHFID Hangup value	.025
Gain	.650
Constant Grade	.000
Diesel Regeneration Required	0
Background Particles for PN	.000
Background Particulates (PM)	.003
MINI DILUTER T/P DILUTION RATIO	9.990
Tailpipe Methane Response Factor	1.066
DHFID Methane Response Factor	1.089
Bag Methane Response Factor	1.103
Soak Duration(Hrs)	22
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
Cert Mode	Y
Road (Var.) Speed Fan required	Y
Rolls Requirement	Y
Diesel Test	Y
Augmented Braking	Y
Inca Requirement	Y
Abort Test on INCA Failure	Y
Abort test on dead battery	Y
Hybrid Test	Y
Mule Vehicle to Park	Y
SAE Calculations Required	Y
DbW Available	Y
Weighted Dilution factor	14.920

### Sequence Purpose

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## Test Comments

## Emission Summary Report

cFTP75 Emissions

### Sampling Type List

DCVS , Diesel Tailpipe / Particulates – Multiple

### Test Request Purpose

T5305PV068-<sup>REDACTED</sup> – IUVT Consent Decree Witness Testing 15MY 3.0L DSL DS (RL, PREP, FTP75, HFET, US06)

### Informational Report Comments

ProcLnch – Initialization failure for INCA! Retry?

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