

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>X4XXX7698 / 031M303</b>	Test ID:	<b>X4XXX7698_EPA75_020720052901 / 1111015291</b>
Test Req:	<b>082012200618-4</b>	Location:	CHRYSLER TECH CENTER
Test Type:	<b>EPA75</b>	Facility:	<b>Test Cell 7</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:	117039	Fuel Anal.#:	10762
AutoLoad File:	None	INCA Project File:	None
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	1/1	Vehicle Desc.:	0.00 GRAND CHERBROWN
Test Req. Purpose:	X4XXX7698 – Consent Decree – Tailpipe Emissions		
Seq. Purpose:	cFTP75 – MY 14 WK – Consent Decree Tailpipe		

<b>Individual Cycles:(Grams/Mile)</b>	<b>Tailpipe:</b>											
	<b>HC</b>	<b>NMHC</b>	<b>CH4</b>	<b>CO</b>	<b>NOX</b>	<b>CO2</b>	<b>NO</b>	<b>NO2</b>	<b>ExVol</b>	<b>MPG</b>	<b>DM</b>	<b>Miles</b>
Time-63	.2423	.1592	.0641	11.0091	.4658	824.0	.4731	.0661	47.8	12.0843		.212
Cycle1	.6588	.4981	.1670	6.0030	.2731	611.3	.2724	.0269	99.9	16.3462		.673
Cycle2	.1836	.1530	.0367	.0257	.1526	425.9	.1539	.0115	187.6	23.8516		1.966
Cycle11	.1030	.0252	.0833	.0000	.0012	312.4	.0000	.0000	127.4	32.5807		1.360
Cycle19	.2481	.0749	.1821	.4118	.0140	416.9	.0125	.0007	70.7	24.3190		.672

<b>Modal Test Results:(Grams)</b>												
Phase: 1												
IDLE	.0521	.0437	.0095	.2684	.0217	86.9	.0211	.0004	35.2	116.1767		0
ACCEL	.1688	.1268	.0489	1.4170	.2576	722.3	.2786	.0166	145.9	14.0401		0
CRUISE	.4515	.3508	.0992	1.4850	.1226	685.5	.1166	.0088	145.1	14.7524		0
DECEL	.1619	.1342	.0398	.9204	.0852	210.5	.0698	.0150	89.2	48.0083		0
CRANK	.0000	.0000	.0000	.0000	.0000	.0	.0000	.0000	.0			0
TOTAL	.8343	.6555	.1974	4.0908	.4872	1705.3	.4861	.0408	415.3			0
Phase: 1	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.2317</b>	<b>.1821</b>	<b>.0548</b>	<b>1.1363</b>	<b>.1353</b>	<b>473.7</b>	<b>.1350</b>	<b>.0113</b>	<b>415.3</b>	<b>21.3541</b>	<b>0</b>	<b>3.600</b>
Phase: 2												
IDLE	.0047	.0010	.0042	.0001	.0003	74.4	.0000	.0000	37.1	137.4817		0
ACCEL	.1671	.0432	.1101	.0049	.0026	870.3	.0000	.0000	195.0	11.6892		0
CRUISE	.1181	.0285	.1092	.0003	.0018	524.4	.0000	.0000	169.8	19.4056		0
DECEL	.0496	.0114	.0536	.0001	.0011	192.9	.0000	.0000	111.1	52.6812		0
TOTAL	.3395	.0842	.2772	.0053	.0059	1662.0	.0000	.0000	513.0			0
Phase: 2	<u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0875</b>	<b>.0217</b>	<b>.0714</b>	<b>.0014</b>	<b>.0015</b>	<b>428.1</b>	<b>.0000</b>	<b>.0000</b>	<b>513.0</b>	<b>23.7600</b>	<b>0</b>	<b>3.882</b>
Phase: 3												
IDLE	.0035	.0003	.0040	.0004	.0002	56.8	.0000	.0000	26.2	178.4934		0
ACCEL	.1468	.0393	.1122	.3722	.0540	669.6	.0566	.0064	136.7	15.1641		0
CRUISE	.1193	.0341	.0945	.0287	.0089	547.5	.0056	.0016	126.8	18.5546		0

Modal Test Results											
Phase 1	.0396	.0881	.0491	.0052	.0035	132.8	.0021	.0004	90.8	76.4280	0
TOTAL	.3091	.0818	.2598	.4065	.0666	1406.7	.0643	.0084	380.4		0
Phase: 3 <u>Equivalent Mass Results: (Grams/Mile)</u>											
	<b>.0858</b>	<b>.0227</b>	<b>.0721</b>	<b>.1128</b>	<b>.0185</b>	<b>390.3</b>	<b>.0178</b>	<b>.0023</b>	<b>380.4</b>	<b>26.0621</b>	<b>0 3.604</b>
<b>Weighted Total Equivalent Mass Results:(Grams/Mile)</b>											
	<b>.1169</b>	<b>.0552</b>	<b>.0682</b>	<b>.2668</b>	<b>.0339</b>	<b>427.2</b>	<b>.0328</b>	<b>.0030</b>	<b>1308.8</b>	<b>23.7867</b>	<b>0 11.086</b>

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

	HC	CO	NOX	NMHC	CO2	CH4	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.22777	1.12852	.12832	.18469	456.756	.06115	.31302	0.24188	22.1433
Phase: 2	.08802	.00000	.00039	.01158	415.454	.08155	.01197	0.08786	24.5036
Phase: 3	.08716	.10810	.01714	.01286	374.997	.08040	.03000	0.08806	27.1029
<b>CVS Weighted Mass Results:(Grams/Mile)</b>									
	<b>.11670</b>	<b>.26315</b>	<b>.03146</b>	<b>.04775</b>	<b>412.897</b>	<b>.07701</b>	<b>.07920</b>	<b>.11978</b>	<b>24.5918</b>

**Drive Metrics:**

CSI	RMS
16.699	.375

**SAE Drive Metrics:**

	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,577,430	4,555,960	0.471	5,792.9	5,779.5	0.233	0.238	0.449	0.397	0.4551
Phase: 2	4,333,080	4,207,670	2.981	6,247.3	6,211.8	0.572	2.339	2.495	3.947	0.4126
Phase: 3	4,588,790	4,556,080	0.718	5,798.9	5,779.4	0.337	0.378	0.655	1.387	0.3911
<b>Final (Weighted):</b>										
	<b>8,916,990</b>	<b>8,763,690</b>	<b>1.749</b>	<b>12,043.6</b>	<b>11,991.2</b>	<b>0.437</b>	<b>1.290</b>	<b>1.432</b>	<b>2.537</b>	<b>0.3664</b>

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system Date: 05/29/2020 10:17:42

Validator's Comments:

**Test Options:**

Option	Description
DHFID Hangup value	.008
Gain	.650
Constant Grade	.000
Diesel Regeneration Required	0

## Test Options

## Emission Summary Report

Background Particles	.000
Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	9.260
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	19
CVS K Coeff	254.900
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
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	13.430

### Sequence Purpose

cFTP75 – MY 14 WK – Consent Decree Tailpipe

### Req Spcl Inst

Connect DCAN Cable – Automatically setting ROLLS MODE!

### Shift Comments

D| Dual Exhaust

### Sampling Type List

DCVS , Diesel Tailpipe / Particulates – Single

### Test Request Purpose

X4XXX7698 – Consent Decree – Tailpipe Emissions

### Informational Report Comments

TestCell Changes : Engine Interrogator got changed from INCA to NONE

## Test Comments

## Emission Summary Report

TestCell Changes : IncaProject file got changed from 14WK30\_r1.exp/REDACTED to NONE

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