

**EMISSIONS SUMMARY REPORT**

Vehicle ID:	<b>X4XXX7698 / 031M303</b>	Test ID:	<b>X4XXX7698_US2XSP020720052901 / 1111015293</b>
Test Req:	<b>082012200618-6</b>	Location:	CHRYSLER TECH CENTER
Test Type:	<b>US06(2X) – using Split Bag US06</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:	117071	Fuel Anal.#:	10762
AutoLoad File:	None	INCA Project File:	None
Cell Temp Set Pt:	75	Altitude Set Pt(ft.):	930
Test Segment:	3/3	Vehicle Desc.:	0.00 GRAND CHERBROWN
Test Req. Purpose:	X4XXX7698 – Consent Decree – Tailpipe Emissions		
Seq. Purpose:	US06 – MY14 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>
Cycle1	.0154	.0072	.0103	.0004	.0206	572.8	.0179	.0060	46.7	17.7574		.268
Cycle2	.0106	.0059	.0057	.0003	.0299	445.5	.0297	.0040	125.5	22.8140		1.013
Cycle3	.0046	.0025	.0027	.0002	.0589	372.0	.0595	.0085	555.6	27.3532		6.235
Cycle4	.0176	.0073	.0150	.0003	.2525	953.8	.2450	.0387	79.0	10.6658		.271
Cycle5	.0126	.0066	.0074	.0001	.5300	864.7	.5269	.0637	51.5	11.7634		.223

**Modal Test Results:(Grams)**

Phase: 1

IDLE	.0009	.0004	.0006	.0000	.0002	17.0	.0000	.0000	11.4	.1198		0
ACCEL	.0137	.0067	.0096	.0004	.1955	902.5	.2048	.0190	187.3	9.1177		0
DECEL	.0079	.0044	.0040	.0001	.0269	137.0	.0141	.0114	104.0	71.6479		0
TOTAL	.0224	.0114	.0142	.0005	.2225	1056.6	.2189	.0304	302.7			0

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

	<b>.0126</b>	<b>.0064</b>	<b>.0080</b>	<b>.0003</b>	<b>.1253</b>	<b>595.1</b>	<b>.1233</b>	<b>.0171</b>	<b>302.7</b>	<b>17.1010</b>	<b>0</b>	<b>1.775</b>
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Phase: 2

IDLE	.0002	.0001	.0001	.0000	.0000	4.5	.0000	.0000	2.5			0
ACCEL	.0122	.0074	.0064	.0008	.2571	1066.9	.2630	.0406	217.8	18.3012		0
CRUISE	.0112	.0059	.0070	.0003	.0877	1009.2	.0887	.0086	237.6	30.8346		0
DECEL	.0051	.0021	.0035	.0001	.0221	238.7	.0192	.0036	97.8	53.8367		0
TOTAL	.0287	.0155	.0170	.0012	.3670	2319.3	.3709	.0528	555.6			0

Phase: 2 Equivalent Mass Results: (Grams/Mile)

	<b>.0046</b>	<b>.0025</b>	<b>.0027</b>	<b>.0002</b>	<b>.0589</b>	<b>372.0</b>	<b>.0595</b>	<b>.0085</b>	<b>555.6</b>	<b>27.3532</b>	<b>0</b>	<b>6.235</b>
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Phase: 1A

IDLE	.0004	.0002	.0003	.0000	.0000	7.6			4.9	.1338		0
ACCEL	.0089	.0045	.0057	.0003	.0324	512.9			103.0	11.1205		0
DECEL	.0055	.0032	.0026	.0001	.0034	84.3			64.3	86.9540		0
TOTAL	.0149	.0079	.0085	.0004	.0358	604.9			172.2			0

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

Modal Test Results										
Phase: 1B										
IDLE	.0005	.0002	.0003	.0000	.0002	9.4		6.5	.1085	0
ACCEL	.0048	.0021	.0040	.0001	.1631	389.6		84.3	6.4936	0
DECEL	.0024	.0011	.0014	.0000	.0235	52.7		39.7	47.3224	0
TOTAL	.0076	.0034	.0057	.0001	.1867	451.7		130.5		0
Phase: 1B Equivalent Mass Results: (Grams/Mile)										
	.0153	.0070	.0116	.0002	.3777	913.6		130.5	11.1327	0 .494
Total Equivalent Mass Results:(Grams/Mile)										
	.0064	.0034	.0039	.0002	.0736	421.4	.0736	.0104	858.3	24.1695 0 8.010

CVS Mass Results: (Grams/Mile)										
	HC	CO	NOX	NMHC	CO2	CH4	NMHC+NOX	NMOG+NOX	HFID	Vol.MPG
Phase: 1	.00463	.00000	.13628	.00000	646.213	.00392	.1363	.13628	0.00354	15.7517
Phase: 2	.00014	.00000	.06208	.00010	378.845	.00068	.0622	.06218	0.00074	26.8489
CVS Total Mass Results:(Grams/Mile)										
	.00113	.00000	.07853	.00008	438.104	.00140	.0786	.07861	.00136	23.2323

Drive Metrics:	
CSI	RMS
-8.724	.375

SAE Drive Metrics:										
	CED (J)	CET (J)	ER	DistD (M)	DistT (M)	DistR	EER	ASCR	IWR	RMSSE (MPH)
Phase: 1	4,265,210	4,288,010	-0.532	2,857.8	2,852.2	0.198	-0.733	0.087	0.190	0.6925
Phase: 2	10,032,100	10,164,300	-1.300	10,033.4	10,037.5	-0.040	-1.277	-4.970	-6.660	0.4033
<b>Final:</b>	<b>14,297,300</b>	<b>14,452,300</b>	<b>-1.072</b>	<b>12,891.3</b>	<b>12,889.6</b>	<b>0.013</b>	<b>-1.097</b>	<b>-1.515</b>	<b>-3.143</b>	<b>0.5357</b>

**Test Validation:** Valid: Invalid: Retest: Accept: NIC: system / wab14 Date: 05/29/2020 14:22:44  
 Validator's Comments:

Test Options:	
Option	Description
DHFID Hangup value	.001
Gain	.650

## Test Options

## Emission Summary Report

Constant Grade	.000
Diesel Regeneration Required	0
Background Particles	.000
Background Particles for PN	.000
MINI DILUTER T/P DILUTION RATIO	9.290
Tailpipe Methane Response Factor	1.056
Bag Methane Response Factor	1.081
DHFID Methane Response Factor	1.113
Soak Duration(Hrs)	21
Threshold	350
CVS K Coeff	539.114
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
OBD II Monitor	None Requested
Abort test on dead battery	Y
Abort Test on INCA Failure	Y
Augmented Braking	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
Wrap Cursor	Y
Weighted Dilution factor	13.200

### Sequence Purpose

US06 – MY14 WK – Consent Decree Tailpipe

### Req Spcl Inst

Use 8 ft exhaust pipe and Extra cooling.

Connect DCAN Cable – Automatically setting ROLLS MODE!

### Shift Comments

D| Dual Exhaust

### Sampling Type List

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

### Test Request Purpose

## Test Comments

## Emission Summary Report

X4XXX7698 – Consent Decree – Tailpipe Emissions

### **Informational Report Comments**

TestCell Changes : Engine Interrogator got changed from INCA to NONE

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

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