





Vehicle Setup Information

Test cell location	ANL APRF Bdg 371							
Vehicle dynamometer Input								
Test weight [lb]	3157							
Target A [lb]	23.36367							
Target B [lb/mph]	0.3946							
Target C [lb/mph^2]	0.01245							
Test Fuel Information								
Fuel type	Electricity							
Fuel density [g/ml]	-							
Fuel Net HV [BTU/lbm]	-							

								/ /	Nation						8,30,1	6 / 8	Contoc	Somo
/			is start they			/	/ //	10.000 C	" Speed (CS) Mach		(Co)or (C		OJ O LOOM		""PGI (Emiss	Solution (Emiss	75 A A A A A A A A A A A A A A A A A A A	"Energy"
⁷ est 10 [ft]		, solo (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			Tosa Compley	7981 C 1891	Vehicle Cool.	(34) (20) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	Vehich Lambs Mime	4000 Collings	Somos Somos Somos	Jugillon (C)	Cycle Ching and or Doung	Word Many	Octo Hy.	Schoty megale	Cole History And Second	OCO HIVOSINET NOT ENGRY
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	Test information			Test	cell inforr	nation	Test cell	setup	Ve	ehicle se	up					otrio orio	9, 001100	mption
61508024 61508024	UDDS #1, Ph 1+2 Hwy #1, Ph 3		08/13/15 08/13/15	-6 -5	30 25	29 29	SM SM	NO NO	72F 72F	Closed	Down	7.44 10.25	-	-	8.226 7.588	386.8 374.1	3181.21 2838.86	427.41 277.05
61508024	UDDS #2, Ph 4+5		08/13/15	-5 -6	36	29	SM	NO	72F	Closed	Down	7.49			7.186	366.5	2632.78	351.39
61508024	US06 #1, Ph 6+7		08/13/15	-5	22	29	SM	NO	72F	Closed	Down	8.02	-		7.688	353.6	2711.44	337.99
61508025	US06 #2, Ph 1+2		08/13/15	-7	22	29	SM	NO	72F	Closed	Down	8.00	-		8.070	343.1	2761.99	345.06
61508025	UDDS #3, Ph 3+4		08/13/15	-6	42	29	SM	NO	72F	Closed	Down	7.50	-	-	7.305	333.6	2435.84	324.83
61508025	HWY#2 , Ph 5		08/13/15	-5	30	29	SM	NO	72F	Closed	Down	4.13	-	-	3.040	292.0	887.74	215.20
Full charge te	st summary										Totals	52.83			49.1		17450	
Re-charging in	nformation			-5	Temperat	ure during	charge [C]						01			*******	19868	
Level: 61508026	2 UDDS #1, Ph 1+2		08/20/15	-6	24	29	SM	NO	72F	Closed	Down	7.44	Cha	arge integr	ated power 8.819	383.9	19868 3387.51	455.16
61508026	Hwy #1, Ph 3		08/20/15	-4	20	29	SM	NO	72F	Closed	Down	10.23			7.661	370.7	2840.33	277.57
61508026	UDDS #2, Ph 4+5		08/20/15	-7	27	29	SM	NO	72F	Closed	Down	7.43	_	_	7.150	364.6	2605.57	350.47
61508026	US06 #1, Ph 6+7		08/20/15	-5	18	29	SM	NO	72F	Closed	Down	8.03	-	-	7.730	351.6	2709.65	337.52
61508027	US06 #2, Ph 1+2		08/20/15	-5	21	29	SM	NO	72F	Closed	Down	8.03	-	-	8.188	341.4	2787.11	347.08
61508027	UDDS #3, Ph 3+4		08/20/15	-6	27	29	SM	NO	72F	Closed	Down	7.49	-	-	6.933	329.5	2284.46	305.12
61508027	HWY#2, Ph 5		08/20/15	-5	20	29	SM	NO	72F	Closed	Down	3.27	-	-	2.519	267.1	672.96	205.53
61508013	UDDS #1, Ph 1+2		08/10/15	23	42	29	SM	NO	OFF	Closed	Down	7.46	-	-	3.402	391.6	1332.35	178.57
61508013	Hwy #1, Ph 3		08/10/15	25	37	29	SM	NO	OFF	Closed	Down	10.24	-	-	4.824	385.4	1859.05	181.61
61508013	UDDS #2, Ph 4+5		08/10/15	20	51	29	SM	NO	OFF	Closed	Down	7.47	-	-	3.325	382.1	1270.53	170.01
61508013 61508014	US06 #1, Ph 6+7		08/10/15 08/10/15	23 26	39	29	SM	NO	OFF	Closed	Down	8.02	-	-	5.371	373.4	2000.88	249.63
61508014 61508014	SSS 65 mph until middle deplete Ph1 US06 #2, Ph 3+4		08/10/15 08/10/15	26 22	37 40	29 29	SM SM	NO NO	OFF	Closed	Down	9.30 8.02	-		5.939 5.566	364.3 357.9	2163.49 3506.50	232.69 437.07
61508014	US06 #2, Pf1 3+4 UDDS #3 Ph 1+2		08/10/15	20	50	29	SM	NO.	OFF	Closed	Down	7 49			3.594	353.6	1270.89	169.75
61508015	Hwy #2, Ph 3		08/10/15	25	37	29	SM	NO	OFF	Closed	Down	10.27			5.341	346.9	1852.59	180.38
61508015	UDDS #4, Ph 4+5		08/10/15	20	50	29	SM	NO	OFF	Closed	Down	7.49	_	_	3.708	340.9	1264.01	168.85
61508016	SSS 65 mph until deplete		08/10/15	26	35	29	SM	NO	OFF	Closed	Down	10.84	-	-	8.269	278.5	2302.99	212.54
Full charge te											Totals	86.59			49.3		18823	
Re-charging in	nformation			22	Temperat	ure during	charge [C]											
Level:	2												Cha	arge integr	ated power	er [AC Wh]	20586	
61508004	SSS 0-80-0, 0% grade		08/07/15	24	37	29	SM	NO	OFF	Closed	Down	6.22	-	-	3.478	382.0	1328.75	213.62
61508006	SSS 0-80-0, 6% grade		08/07/15	23	39	29	SM	NO	OFF	Closed	Down	6.23	-	-	10.783	364.0	3924.75	630.35
61508007	WOTsx6		08/07/15	21	42	29	SM	NO	OFF	Closed	Down	5.25	-	-	6.047	328.6	1986.83	378.53
61508008 61508009	Passing maneuvers, 0% grade		08/07/15 08/07/15	24 25	37 35	29 29	SM SM	NO NO	OFF	Closed	Down Down	3.37			2.761 5.001	347.5 341.1	959.40 1705.84	284.38 509.28
61508009	Passing maneuvers, 3% grade Passing maneuvers, 6% grade		08/07/15	25	35	29	SM	NO	OFF	Closed	Down	3.35			6.754	341.1	2323.23	695.72
61508011	25% gradability		08/07/15	25	36	29	SM	NO	OFF	Closed	Down	0.63			4.287	329.3	1411.86	2239.31
61508017	UDDS #1, Ph 1+2		08/11/15	35	47	29	SM	850	72F	Closed	Down	7.45		-	4.341	391.3	1698.77	228.02
61508017	Hwy #1, Ph 3		08/11/15	38	31	29	SM	850	72F	Closed	Down	10.22	-	-	5.009	384.7	1927.16	188.52
61508017	UDDS #2, Ph 4+5		08/11/15	34	46	29	SM	850	72F	Closed	Down	7.48	-	-	4.015	380.6	1528.25	204.21
61508017	US06 #1, Ph 6+7		08/11/15	35	26	29	SM	850	72F	Closed	Down	8.02	-	-	5.517	371.5	2045.72	254.99
61508018	SSS 65MPH, Ph 1		08/11/15	38	29	29	SM	850	72F	Closed	Closed	2.81	-	-	1.947	366.2	712.92	253.85
61508018	US06 #2, Ph 3+4		08/11/15	35	27	29	SM	850	72F	Closed	Closed	8.03	-	-	5.687	361.3	3592.14	447.60
61508019	SC03, Ph 2		08/11/15	35	31	29	SM	850	72F	Closed	Closed	3.59	-	-	2.150	353.3	759.56	211.48
61508020	Hwy #2		08/11/15	38	25	29	SM	850	72F	Closed	Closed	10.25			5.489	348.5	1912.76	186.66
61508021	UDDS #3, Ph 1+2		08/11/15	34	37	29	SM	850	72F	Closed	Closed	7.48			4.343	342.1	1485.65	198.62
61508022	SSS 65 to deplete		08/11/15	39	21	29	SM	850	72F	Closed	Closed	12.01	-	-	9.197	294.2	2706.00	225.41
Full charge ter				00	-		,				Totals	77.34	L		47.7		18369	
Re-charging in	nformation 2			32	Temperat	ure during	charge [C]						C			- [40] 14**	24205	
Level:	2												Cha	arge integr	ated power	er [AC Wh]	21305	

Summary notes

For the highway and US06, SC03, cycles only the second (hot) test results are presented in this summary. Electric energy consumption:

etgy consumption.

HV battery Integrated net current -> Integrated current as reported by power analyzer

HV battery Integrated net current -> Integrated current as reported by power analyzer

HV battery Average Zero crossing Voltage -> Calculated Average Zero crossing Voltage over the phase or cycle

HV Net Energy -> Integrated power as reported by power analyzer

Note that HV Net Energy is not equal to the product of HV battery Integrated net current times Average Zero crossing Voltage.

* Target Coefficients developed during AVTE coast down testing

Advanced Powertrain Research Facility Data referencing:

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