



Downloadable Dynamometer Database (D³)- Test Summary Sheet

2014 Chevrolet Cruze Diesel

Vehicle architecture	Conventional
Document date	5/15/2015
Revision Number	1
Notes:	

Vehicle Setup Information

Test cell location	ANL APRF Bdg 371						
Vehicle dynamometer Input							
Test weight [lb]	3808						
Target A [lb]	22.636						
Target B [lb/mph]	1.23944						
Target C [lb/mph^2]	0.001929						
Test Fuel Information							
Fuel type	2007 Cert Diesel HF0582						
Fuel density [g/ml]	0.851						
Fuel Net HV [BTU/lbm]	18399						

⁷ est ID _[H]	Sold Sold Sold Sold Sold Sold Sold Sold	, , , , , , , , , , , , , , , , , , ,	Date (CSI) Hor start HSI)	2,882	(2) all 1 (2) (2) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	7897 CO. 100 TO	Vehicle Coll.	Solar , 10 fan 10 80 80 5.	Voice C. Thump?	Hood Control so.	Who, Costion (W) or C.	Cycle C. Colose	Cycle Chill Colomny	Cycle C. Wall School M. M.	Clock HV. Consumed (Ctrice HV.	Lan Course Any Solve Fig. 10 Color Fig. 10 C	Cole HV Cotters (10) 100 Colosing
	Test information			Test of	cell inforn	nation	Test cell	setup	Vel	hicle setu	ar J				Ele	ctric ene	rgy consu	mption
61410028	UDDS CS	Cs	10/28/14	-6	6	29	SM	0	Cold FTP	Closed	Closed	7.44	24.5	0.303				
61410029	UDDS HS #1	Hs	10/28/14	-6	5	29	SM	0	On	Closed	Closed	7.45	32.7	0.228				
61410030	UDDS HS #2	Hs	10/28/14	-6	5	29	SM	0	On	Closed	Closed	7.45	33.3	0.224				
61410031	UDDS HS #3	Hs	10/28/14	-6	5	29	SM	0	On	Closed	Closed	7.49	33.4	0.224				
61410032	HWYx2, Ph 2	Hs	10/28/14	-5	7	29	SM	0	On	Closed	Closed	10.28	51.1	0.201				
61410033	US06x2, Ph 3+4	Hs	10/28/14	-5	6	29	SM	0	On	Closed	Closed	8.03	35.1	0.229				
61410012	UDDS CS	Cs	10/24/14	23	44	29	SM	0	Off	Closed	Down	7.45	30.9	0.241				
61410013	UDDS HS #1	Hs	10/24/14	23	44	29	SM	0	Off	Closed	Down	7.45	34.0	0.219				
61410015	HWY	Hs	10/24/14	25	35	29	SM	0	Off	Closed	Down	10.28	54.5	0.189				
61410016	US06	Hs	10/24/14	25	38	29	SM	0	Off	Closed	Down	8.04	37.0	0.217				
61410017	Passing Manuevers-0, 3 & 6% grade	Hs	10/24/14	26	35	29	SM	0	Off	Closed	Down	9.99	22.8	0.439				
61410008	SSS 0-80-0 0% Grade	Hs	10/23/14	24	40	29	SM	0	Off	Closed	Down	11.56	50.2	0.230				
61410007	WOTs x3	Hs	10/23/14	23	41	29	SM	0	Off	Closed	Down	2.36						
61410004	WLTP	Hs	10/23/14	24	38	29	SM	0	Off	Closed	Down	14.36	41.2	0.348				
61410005	NEDC	Hs	10/23/14	23	46	29	SM	0	Off	Closed	Down	6.88	37.7	0.183				
61410021	UDDS CS	Cs	10/27/14	35	40	29	SM	850	AC Max	Closed	Closed	7.44	23.7	0.314				
61410022	UDDS HS #1	Hs	10/27/14	36	38	29	SM	850	AC Max	Closed	Closed	7.49	25.5	0.293				
61410024	HWY	Hs	10/27/14	39	30	29	SM	850	AC Max	Closed	Closed	10.27	44.9	0.228				
61410025	US06	Hs	10/27/14	40	29	29	SM	850	AC Max	Closed	Closed	8.04	31.0	0.259				
61410026	SC03	Hs	10/27/14	37	34	29	SM	850	AC Max	Closed	Closed	3.60	26.7	0.135				

Summary notes

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

Electric energy consumption

- 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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