



Real-World Fuel Efficiency

Canadian Truck King Challenge 2013

Test Conditions

Thirteen (13) light-duty trucks were testing under three on-road test conditions. These conditions included a trailering event, a payload event with a loaded bed, and an empty event where no trailering or payload mass was added. An additional off-road test has been completed; however, these results have not yet been tabulated.

Data Acquisition Tests

Installation Check: All vehicles passed. ✓
 Signal Verification: All vehicles passed. ✓
 Drive Check: All vehicles passed. ✓
 Rationality Check: All vehicles passed. ✓

VEHICLE	F150 XLT	F150 Lariat	F150 FX4	Silverado 1500 LT	Silverado 1500 High Country	Sierra 1500 SLE	Sierra 1500 Denali	RAM 1500 SLT	RAM 1500 Laramie	RAM 1500 Laramie	Tacoma	Tundra 1794	Tundra Platinum
ENGINE	3.7L V6	3.5L V6	5.0L V8	5.3L V8	6.2L V8	5.3L V8	6.2L V8	3.6L V6	3.0L V6	5.7L V8	4.0L V6	5.7L V8	5.7L V8
FUEL	Gas	Gas	Gas	Gas	Gas	Gas	Gas	Gas	Diesel	Gas	Gas	Gas	Gas
EMPTY	12.3	12.2	13.1	13.1*	12.8	12.5	13.7*	10.6	9.1	15.6*	13.8*	14.1	13.6
PAYLOAD	13.7	12.9	13.2	13.2	14.0	13.7	13.3	11.6	10.5	14.2	12.5**	16.6	15.4
TRAILER	20.6	19.7	20.6	19.8	21.0	20.9	20.1	18.8	16.1	20.8	15.7**	23.1	22.9

*Due to a required fueling, these test cycles differed from other test cycles. Idle fractions for these altered test cycles ranged from 40-43% compared to standard on-road idle fractions of 26-30% for the standard test cycles. Accordingly, these tests may demonstrate higher fuel consumption values than would be anticipated on the standard test cycle for this event. **the Tacoma has a reduced towing capacity compared to the other trucks evaluated. Accordingly, a half-loaded trailer was used for evaluation of the Tacoma.



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30 Sep 2013 – 02 Oct 2013

