

# Certified Automated Truck (CAT) Scale

June 7, 2016

2015 Lance Model 1985

2009 Chevy Colorado Z-71 Crew Cab 4WD V-8 with Tow Package

(LS1 5.3 liter LH8) 300 HP, 320 lb-ft torque

HydraMatic 4L60 4 sp OD transmission, 4.10 differential

126" wheelbase, Blue Ox 750lb WD hitch

	Manuf. UVW as listed, lbs.	Weighed (Unloaded)	Rig Weighed (Unloaded)	Rig Weighed (Loaded) CERTIFIED	Difference
Truck, manuf. label	4,218	4,640 (Driver, ¾ gas)			
Lance Trailer	4,263	4,340 (empty holding tanks, ½ propane)			
Combined Truck and Trailer			8,980 (Driver 210 lb)	10,360 (2 pass, 4/4 fuel, loaded for road)	1,380
Truck Steering Axle		2,640 (with driver, no trailer)		2,800 (2800+2880=5680)	160
Truck Drive Axle		2,000 (with driver, no trailer)		2,880	880
Trailer Axle as hitched to Truck			3,840	4,680	840
First Road Trip loaded, 2 people aboard, full tank, trailer loaded		These measured weights do not add up – County scales	9880 Total Rig Steer & Drive Axles – 5,420 Trailer Axle – 4,340		
Tongue Weight		760			
Lance Factory GVWR	5700				
Colorado CGVWR	10,800 lbs	Truck FGAWR 2,950 lbs	Truck RGAWR 2,896 lbs	Truck GVWR 5,500 lbs	Truck payload 1025 lbs
Margin: CGVWR less empty Rig	10,800-8,770=2,030				

Note: Truck front and rear bumper heights measure before and after trailer hooked up and equalizing bars adjusted so both squat equally – about 2". Also, trailer front and rear trailer height is measured so the trailer sits levelly when hooked up. Empty this is 9 links, 1<sup>st</sup> trip loaded it was 8 chain links, and the Yellowstone trip it was at 7 chain links.