

## Trio of New EcoTec3 Engine Powers 2014 Chevy Silverado, GMC Sierra

In today's hugely competitive light-duty pickup truck market, customers want trucks that are more powerful, have more torque, yet can deliver greater fuel economy than ever.

Thanks to General Motors' trio of new EcoTec3 engines, GM officials say the automaker's 2014 Chevrolet Silverado 1500 and GMC Sierra 1500 will be able to deliver on buyers' expectations in all three areas.

The new engine family includes a 4.3-liter V6, a 5.3-liter V8 and a 6.2-liter V8. The name EcoTec3 refers to the three state-of-the-art technologies – direct injection, cylinder deactivation and continuously variable valve timing – that, according to GM officials, combine to make these trucks more powerful while going further with each gallon of fuel.

"We believe these are the most technologically advanced engines ever offered in light-duty pickups, and they are 100 percent truck – specifically designed for the way customers use trucks in the real world," said Jordan Lee, Small Engine Block chief engineer and program manager.

"They have all the power and torque needed to confidently handle the tough jobs, and they seamlessly switch to four-cylinder mode to increase efficiency during light-load driving.

"This is technology no other truck maker can match, and we offer it in every one of our EcoTec3 engines, for every one of our customers," Lee continued. "It is not an extra cost feature. You get our best and most sophisticated technology regardless of trim level."

All three new engines are matched with GM's six-speed transmissions in the United States and Canada.

Central to the performance of the EcoTec3 engine family is an advanced combustion system that is able to maximize the potential of the direct fuel injection system, cylinder deactivation, continuously variable valve timing and other advanced technologies.

According to GM officials, these larger displacement EcoTec3 engines are able to produce maximum power under heavy loads for extended periods of time, such as towing a heavy trailer up a steep mountain grade.

At the same time, these engines can switch instantly to more economical, four-cylinder mode when less power is required.

"It gives customers the best of both worlds – a rugged truck engine when they need it, with improved efficiency in light-load driving," said Lee.

This precise combustion control enables the new engines to run with a higher compression ratio – 11.0:1 for versions recommended to run with regular fuel – a proven way to produce more power while simultaneously adding efficiency.

The EcoTec3 engines can maintain this increased efficiency over a broader range of operating conditions, GM officials say. Emissions, they say, are also reduced, especially during cold starts.

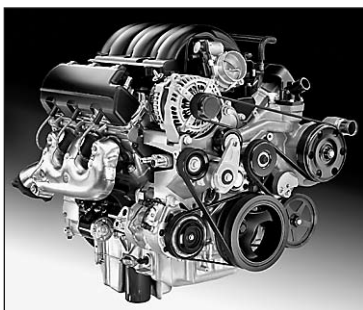
The new engines employ direct fuel injection technology, which precisely meters each drop of fuel going into the cylinders. The engines have also been enhanced by a new cylinder head design and a new, sculpted piston to optimize the air/fuel mixing in the engine and control fuel burning to create power.

Another key component of the trio of truck technologies is cylinder deactivation, which uses oil pressure, controlled by the powertrain control module, to deactivate the lifters on selected cylinders, effectively closing the valves on those cylinders.

It deactivates four cylinders on V8 engines and two cylinders on the V6 engines when they are working under light load conditions.

The system reactivates the idled cylinders in a seamless manner when the driver demands more power, GM says.

"GM pioneered cylinder deactivation technology, and we consider it a great technology for im-



2014 4.3L V6 EcoTec3 AFM VVT DI (LV3) for Chevrolet Silverado and GMC Sierra

proving the efficiency of full-size trucks," Lee said.

Based on GM's Small Block engine architecture, the all-new EcoTec3 family of engines also boasts weight-saving aluminum engine blocks; an advanced oiling system that boosts the efficiency of oil delivery based on engine operating conditions; oil-jet piston cooling, and PCV-integrated rocker covers, which house a patent-pending integrated positive crankcase ventilation system that, GM officials say, increases oil life, lowers oil consumption and reduces exhaust emissions.

### Club GM Reduces Auto Show Tickets

Those wishing to purchase tickets to the upcoming North American International Auto Show, Jan. 19-27, should contact Club GM. Tickets purchased through the club are \$9 for adults, a \$3 savings. They may be purchased at Club GM stores. To learn more about how to order tickets, contact Len Wernette at 248-478-3231.

**BRICK & BLOCK**  
New or Repair

- Chimneys • Porches
- Windows - cut in or fill in
- Tuckpointing
- Basements • Crawl spaces
- Custom Fireplace

**586-651-2419**

## LUNGHAMERS GREAT DEALS!

### 2013 CRUZE LS



**\$0 DOWN**

Preferred Price **\$18,752**  
MSRP \$19,020

**\$0 SECURITY DEPOSIT**

**\$110\*** mo  
24 mo lease  
with \$639 Due at Signing

### 2013 MALIBU LS



**\$0 DOWN**

Preferred Price **\$23,030**  
MSRP \$23,425

**\$0 SECURITY DEPOSIT**

**\$155\*** mo  
24 mo lease  
with \$645 Due at Signing



Must qualify for Lease conquest and have \$2,000 on GM master card. All payments plus tax. Amount due at signing includes all taxes, \$190 dealer documentation fee and lic. transfer. Must be S or A tier financing

CALL  
**BRUCE LITVIN**  
- 24/7 & 365 -  
40 YEARS  
OF QUALITY SERVICE

CELL # **1-586-405-5175**

**blitvin@lunghamer.com**

**1-888-665-5438**  
**Joe Lunghamer**



475 SUMMIT DRIVE • 248-292-2502 • 5825 HIGHLAND RD. (M59) • WATERFORD

**☺ We guarantee the lowest price or it's free! ☺ We guarantee the lowest price or it's free!**

**HAPPY NEW YEAR**  
from  
**buff whelan chevrolet**

**586-274-0396**

**OVER 1,000**  
New Chevrolets in Stock!  
**WE GUARANTEE THE LOWEST PRICES OR IT'S FREE ☺**

**2013 Silverado**  
Ext Cab 4x4

Stk.#202400  
All Star Edition  
NO SECURITY DEPOSIT REQUIRED  
24 Month Lease/10,000 Miles

**\$187\***  
+ Tax with \$0 Down

**2013 CRUZE LS**

Stk.#20463  
Power Locks • Power Windows • Power Mirrors  
XM Radio • Onstar • Bluetooth  
NO SECURITY DEPOSIT REQUIRED  
24 Month Lease/10,000 Miles

**\$166\***  
+ Tax with \$0 Down

**2013 EQUINOX LS**  
FWD

Stk.#21686  
Power Locks/Windows/Mirrors • Steering Wheel Controls  
Bluetooth • Cruise • Onstar • XM Radio & More...  
NO SECURITY DEPOSIT REQUIRED  
24 Month Lease/10,000 Miles

**\$235\***  
+ Tax with \$0 Down

See dealer for details. All payments are based on GM Employee pricing except where otherwise noted. All payments assume you have a NON-GM lease in the household, otherwise payments will be slightly higher. First payment, security deposit (unless otherwise noted) tax, title, and plate due at signing. Offer expires 1/31/2013.

**Free shuttle service to home, office or shopping.**  
**buff whelan chevrolet**  
WHERE THE DEALS MAKE THE DIFFERENCE, EVERY DAY SINCE 1970!  
Van Dyke • South of 18 Mile • Sterling Heights

**Jeff Caul**  
**586-274-0396**  
PEP QUOTES BY PHONE OR EMAIL:  
JEFF CAUL AT JCAUL@BUFFWHELAN.COM

**CONVENIENT HOURS:**  
Mon. & Thurs.  
8:30 am – 9 pm  
Tues., Wed., Fri.  
8:30 am – 6:30 pm

**BBB**  
MEMBER SINCE 1989

**Chevy Runs Deep**

**18 MILE RD.**  
N  
MOUND  
VAN DYKE  
SCHOENHERR  
METRO PKWY.

**GM**  
OnStar  
CHEVY

**☺ We guarantee the lowest price or it's free! ☺ We guarantee the lowest price or it's free!**

**www.wallyedgar.com • www.wallyedgar.com • www.wallyedgar.com • www.wallyedgar.com**

**Be treated with the respect you deserve.**  
**TOP DOLLAR FOR YOUR TRADE**  
**and the Best Deal PERIOD!!**

**Wally Edgar**  
**Chevrolet Employee HO**  
**Chevy Runs Deep**

**1-248-724-1073**

**JAY CHAISER x117**  
Fax: 248-391-0189  
Cell: 248-821-8026  
Email: jchaiser@wallyedgar.com

**Sales Hours:**  
Mon. - Thur. 8:00 am - 8:00 pm  
Fri. 8:00 am - 6:00 pm  
Sat. 9:30 am - 3:00 pm • Sun. Closed  
CHEVY DEALER CODE 44085

**2013 MALIBU LS**

**\$190\***  
24 MONTH • 10K LEASE  
0 DOWN

**2013 CRUZE LS AUTOMATIC**

**\$169\***  
24 MONTH • 10K LEASE  
0 DOWN

**2013 EQUINOX FWD LS**

**\$227\***  
36 MONTH • 10K LEASE  
0 DOWN

All payment plus tax. First payment, tax, title and plate due at signing. No security deposit required. All rebates assigned to dealer. Lessee responsible for excess wear and tear as well as exceeded contracted mileage. If eligible for USAA military bonus SAVE MORE.

**Located right off I-75 on M-24, 2 minutes N. of the Palace of Auburn Hills**

**1-866-906-0279**  
**Wally Edgar Chevrolet**

**Make us your Michigan P.E.P. Car Connection**

**www.wallyedgar.com • www.wallyedgar.com • www.wallyedgar.com • www.wallyedgar.com**