

2015: A YEAR IN REVIEW

The Good: Auto Sales and Profits Are Up; The Bad: Recalls, Fines; The Ugly: VW Cheats

by Jim Stickford

When historians look back at the year 2015, they will probably say it was a mixed bag for automobile manufacturers.

On the one hand, sales of vehicles in the U.S., as well as profits, reached levels not seen in years. On the other hand, 2015 was also a big year for recalls and government fines.

Although the industry experienced record sales, a plethora of new technology and the advent of driverless cars, all of this was overshadowed by the Volkswagen scandal.

By far, the leading story for 2015 was Volkswagen getting caught for deliberately cheating on emissions testings.

News broke in late summer that the world's top-selling automaker had cheated.

VW CEO Martin Winterkorn resigned, plans were announced to recall 11 million cars globally and set aside \$7 billion to pay for them. In the United States, where more than 500,000 VW cars were recalled, several government agencies began investigating.

Then there was the Takata airbag scandal. Japan's Takata

Corp. admitted concealing evidence for years that its air bags could explode. A defect was linked to eight deaths and more than 100 injuries worldwide.

Takata agreed to pay U.S. regulators a \$70 million fine. It also agreed to phase out air bag inflators that use ammonium nitrate, which was blamed for the explosions.

In all, Takata airbags affected millions of vehicles and 11 auto manufacturers.

There were many other recalls from fuel tanks and ignition

switches to headlights and brakes. The record number and swift manner for reporting to NHTSA comes on the heel of the 2014 GM Cobalt ignition scandal that caused an overhaul in the NHTSA rules, regulations and fines.

As for 2015 auto sales, Kelley Blue Book estimated on Dec. 23 that new-vehicle sales are expected to increase 13 percent year-over-year to a total of 1.7 million units in December 2015,

CONTINUED ON PAGE 3



Mary Barra at the 2016 Chevy Cruze reveal in June



2015 Jeep Cherokee being made at Toledo Assembly



Ford's Joe Hinrichs, right, at F-Series Super Duty assembly line



2016 Chrysler Town and Country

Chrysler Leads Everyone In Minivan Sales – Again

Chrysler and Dodge have combined once again to lead all automakers in minivan sales in the United States and Canada.

That's no surprise to Chrysler, the inventor of the minivan.

The first minivan was introduced in the year 1983, when Ronald Reagan was President of the United States. Lech Walesa was the Nobel Peace Prize Laureate.

The Internet was created, and the first mobile phones were introduced to the public. U.S. astronauts completed the first space shuttle spacewalk, the Baltimore Orioles won the World Series – and Chrysler hit a home run with the introduction of the first minivan.

While the minivan was introduced in 1983, it got its start in 1977, said Fiat Chrysler spokesman Jiyun Cadiz. In the late 1970s, U.S. "baby boomers" were starting families in large

numbers and were looking for an economical alternative to automotive transportation.

Traditional sedans and wagons continued to get smaller due to pollution and fuel economy concerns, and full-sized vans were being customized as passenger vehicles – but the combination of poor ride comfort, large size and rear-wheel-drive design did not make them ideal for family hauling, Cadiz said.

Chrysler designers and engineers understood the shortcomings of the full-sized van and began early development studies on a vehicle that would fulfill the needs of new families.

Chrysler pinpointed a potential vehicle market that needed to deliver a few simple premises: fuel-efficient, easy to step into, family-friendly and smaller than the Dodge Ram Van.

CONTINUED ON PAGE 4

Ford Employees Develop 6,000 Inventions

From the automaker whose founder, Henry Ford, was known for introducing innovations – the affordable car, the assembly line, the franchise dealer and more – comes a record number of new patents.

Ford Motor Company employees this year delivered 6,000 new inventions, – an increase of 36 percent from 2014.

Ford Smart Mobility and other initiatives continue to accelerate the pace of innovation, said Ford spokesman Karl Henkel.

Many of the new patents have been related to autonomous and connected vehicles, wearable devices, eBikes, navigation, ride-sharing platforms and other technologies, said Henkel.

These patents include technologies to help autonomous vehicles detect other vehicles at obstructed intersections, as well as technologies to alleviate range anxiety in electrified vehicles and to extend range in real-world driving.

Another new invention is designed for cyclists – allowing riders to report road obstacles to help other riders.

"Our engineers and scientists are inventing ways to address mobility challenges more than ever – with more patent applications filed this year on car-sharing, wearables, bikes, cloud computing and in other areas to improve consumers' lives inside and outside the car," said Raj Nair, Ford executive vice president and chief technical officer.

"By hosting – and participating in – more internal hackathons and innovation labs, our employees are stepping up to show that inventing is a priority for leadership in the industry."

Nair said as part of Ford Smart

Mobility – the company's plan to use innovation to ascend to the next level in connectivity, mobility, autonomous vehicles, the customer experience, and data and analytics – 2015's record-breaking output of inventions features thousands of technologies that enable key advancements in connectivity, analytics, wearables, electrification and safety.

For example, a new bike system can detect bike lanes and alert cyclists of path deviations. Another one would suggest a safe vehicle speed based on nearby infrastructure, average vehicle speed and GPS data, and a new front brake light technology would improve vehicle-to-vehicle and autonomous driving-to-pedestrian communication.

"The commitment Ford has made to innovation is commendable," said James Malackowski, chairman and CEO, Ocean Tomo,

an intellectual property firm.

"The strength of Ford's patent portfolio has resulted in the company being named a constituent to the Ocean Tomo 300 Patent Index for five years."

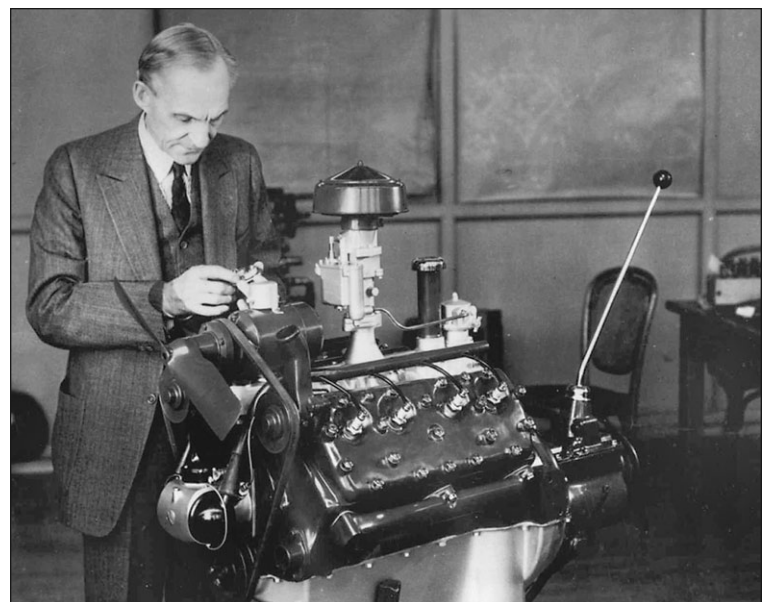
Ocean Tomo annually releases its 300 Patent Index, which is based on the value of a company's intellectual property.

Hundreds of Ford employees all over the world are responsible for this achievement, Henkel said.

In the past three years, Ford employees in Asia Pacific increased invention disclosure submissions more than 140 percent, North America is up almost 100 percent and Europe saw an increase of more than 50 percent.

Recently, Ford showcased the breadth of its patent portfolio by licensing robotic test driving technology, which saves time

CONTINUED ON PAGE 4



Henry Ford with a 1932 V8 engine

Detroit Auto Scene

31201 Chicago Road South
Warren, Michigan 48093

586-939-6800

Contact us:
Info@DetroitAutoScene.com

Deadline: Thursday 5:00 p.m.
for the next edition of Monday

William Springer II, publisher
Lisa A. Torretta, operations
Jim Stickford, news

Detroit Auto Scene is a registered
trademark of Springer Publishing Co.

www.DetroitAutoScene.com

FCA Recalling 450,000 Jeep, Durango SUVs

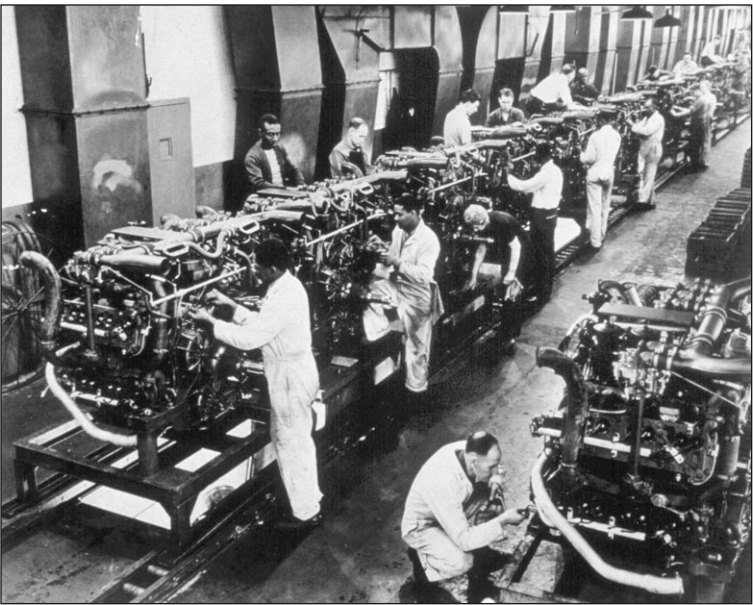
NEW YORK (AP) – Fiat Chrysler Automobiles is recalling nearly 450,000 SUVs worldwide in two separate recalls that include the Jeep Grand Cherokee.

The automaker said Dec. 24 about 353,000 Jeep Grand Cherokee and Dodge Durango SUVs with model years 2011-12 are being recalled because wiring in the vanity mirror may overheat and create a fire hazard. No injuries or accidents were reported.

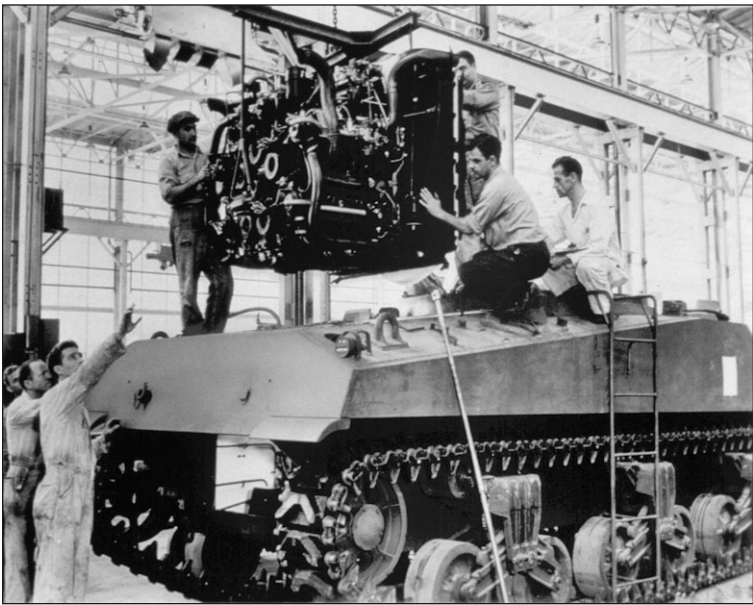
The second recall is for more than 93,000 Jeep Compass and Patriot SUVs with model year 2015.

The company says it will inspect and fix a clamp that may be out of position.

The out-of-position clamp may allow power steering fluid to leak, creating a possible fire hazard. The automaker says no injuries or accidents were reported.



Chrysler's Jefferson Ave. plant in 1942



Engine and Sherman M4A3 tank at Warren Tank Plant in 1942

FCA Releases Documentary on 'Arsenal of Democracy'

Detroit's history of industrial production extends beyond the auto industry. There was a time when that production played a major role in saving the world.

To that end, in recognition of the 75th anniversary of President Franklin Delano Roosevelt's historic "Arsenal of Democracy" radio broadcast (Dec. 29, 1940), Fiat Chrysler has released "Automakers and the Arsenal of Democracy," a short documentary that chronicles the role of the Chrysler Corporation as one of the primary military suppliers for the Allied war effort.

Narrated by Fiat Chrysler historian Brandt Rosenbusch, the nearly six-minute feature provides viewers with an unprecedented look at the Chrysler Corporation's wartime production, Frazier said, which included trucks and tanks; aircraft parts and components; guns, ammunition, rockets and bombs; and a

variety of other goods and materials that were a vital part of military operations.

The documentary may be viewed on Chrysler's YouTube channel.

And, Fiat Chrysler continues that tradition of supporting and honoring those who serve – both past and present, said Fiat Chrysler spokesman Kevin Frazier.

The Auburn Hills automaker supports the men and women of the U.S. Armed Forces, both at home and abroad, said Frazier.

Fiat Chrysler currently has numerous employees who are on active military leave, active or inactive reservists or veterans. Further, the automaker has numerous military-related programs, Frazier said, emphasizing community growth, support and gratitude throughout the U.S. and the world, including:

- Annual monetary donation

to the Marine Toys for Tots Foundation program.

- Support toward the construction of the World War II Memorial in Washington, D.C.

- Financial support of the United Service Organizations (USO).

- Donation of Jeep vehicles to selected Operation package recipients.

As a partner with our U.S.

Armed Forces, Fiat Chrysler has played a vital role in keeping America safe and free, Frazier said. The company continues to support the men and women who serve in the fight to enable and preserve democracy for the rest of the world, he said.

Fiat Chrysler, Frazier said, assists vehicle restorers, collectors and scholars with information from the corporate archives.

NAIAS Auction to Benefit Dealer Charity Arm

The North American International Auto Show (NAIAS) and Robb Report are holding a charity auction to raise funds for the Detroit Auto Dealers Association's Charitable Foundation Fund.

Robb Report spokeswoman Elyse Heckman said the auction, also known as The Gallery, will feature a "world-class" array of silent auction items for the evening's festivities, encompassing unique luxury experiences and products from the worlds of culinary, fashion, style, design, and hospitality.

Proceeds from the evening will benefit the Detroit Auto Dealers Association's Charitable Foundation Fund.

Heckman said The Gallery event has become the official kickoff to NAIAS, taking place this year on Saturday, Jan. 9. Hosted once again at the MGM Grand Detroit, guests will enjoy dinner served by world-renowned chef Wolfgang Puck.

Guests will have the added opportunity of strolling through a \$7 million collection of brands such as Aston Martin, Bentley, BMW, Ferrari, Lamborghini, Maserati, Porsche, Rolls Royce, and many more iconic nameplates.

"Our partnership with Robb Report brings a new element of luxury to The Gallery, as their expertise in luxury lifestyle is the perfect complement to the event's featured luxury automobiles on display. Our guests will experience a fully immersive and comprehensive evening of unforgettable luxury and top-tier design," said Paul Sabatini, 2016 NAIAS chairman.

"I'm truly amazed at the roster of unbelievable auction items Robb Report was able to curate for our incredibly lucky guests."

The Gallery will welcome nearly 500 high-net-worth guests over the course of six hours, Heckman said. Guests will have the oppor-

tunity to bid on a selection of silent auction items, which include the likes of the following items, shopping excursions and vacation packages:

- An all-inclusive luxurious 8-Day European River Cruise (\$6,000 – over \$10,000) from Uniworld Boutique River Cruise Collection;
- A Custom-Made Suit (\$5,000) from Bespoke Neapolitan Tailor;
- A Cleveland Cavaliers package, including four courtside seats to a home game, dinner and drinks in the owner's suite, an authentic autographed LeBron James jersey, and a one-night stay at The Ritz-Carlton Cleveland;
- A South Floridian 'Shop & Stay' Experience with Miami's Premier Fashion Destination, Aventura Mall and Mediterranean-Style Retreat Turnberry Isle Miami, home to Celebrity Chefs Michael Mina's BOURBON

Steak and Scott Conant's CORSAIR restaurants;

Tickets to The Gallery and more information can be found on the NAIAS website naias.com.



Salted Caramel Truffle

Salted caramel truffles | Buttery toffee pieces
Choco chunks | Rich cocoa fudge

At participating locations



Orange Julius

586.755.9900
26633 Hoover Rd. • Warren, MI 48089

248-399-6233
29371 Dequindre • Madison Heights, MI 48071
www.dairyqueen.com

Open Daily: 11 a.m. – 9 p.m.



NEW!
Make Your Sub
A DELUXE
Get 50%
MORE MEAT

Catering Orders - Call 877-360-CATER

Buy One Classic Sub
& 30oz Drink and
Get One Classic Sub
FREE

Of Equal or Lesser Value.
One coupon per customer, per visit. Not
valid with any other offer. Expires 2/9/16



Buy One Classic Sub
& 30oz Drink and
Get One Classic Sub
FREE

Of Equal or Lesser Value.
One coupon per customer, per visit. Not
valid with any other offer. Expires 2/9/16



Buy One Classic Sub
& 30oz Drink and
Get One Classic Sub
FREE

Of Equal or Lesser Value.
One coupon per customer, per visit. Not
valid with any other offer. Expires 2/9/16



Buy One Classic Sub
& 30oz Drink and
Get One Classic Sub
FREE

Of Equal or Lesser Value.
One coupon per customer, per visit. Not
valid with any other offer. Expires 2/9/16



- ROSEVILLE -
SUBWAY/WALMART
28804 Gratiot • 12 & Gratiot • 586-773-1682

- WARREN -
31690 Mound Rd • 13 & Mound • 586-939-1000
26627 Hoover Rd • 11 & Hoover • 586-754-8205
30820 Hoover Rd • 13 & Hoover • 586-573-7829
29144 Ryan Rd • 12 & Ryan • 586-573-8000
28950 Van Dyke Ave • 12 & Van Dyke • 586-558-3882
DRIVE THRU SERVICE • OPEN 24 HOURS
32620 Van Dyke Ave • South of 14 Mile • 586-795-0000

SUBWAY/MEIJER
29505 Mound Road • 12 Mile & Mound • 586-558-0100

SUBWAY/WALMART
29176 Van Dyke • Warren, MI 48093 • 586-393-1008

- ROYAL OAK -
SUBWAY/MEIJER
5150 Coolidge Hwy • South of 15 Mile • 248-677-3899

- TROY -
SUBWAY/OAKLAND MALL
498 14 Mile Rd • 248-307-1271

1939 W. Maple Rd • West of Crooks • 248-435-2846

SUBWAY/WALMART
2001 W. Maple Rd • West of Crooks • 248-435-2431

- STERLING HEIGHTS -
37876 Van Dyke • 16 1/2 Mile • 586-795-8368

SUBWAY/WALMART • OPEN 24 HOURS
33201 Van Dyke • 14 & Van Dyke • 586-274-4319

SUBWAY/MEIJER
36600 Van Dyke Ave • 586-795-1605

38357 Dodge Park • at Plumbrook • 586-264-5300

40058 Van Dyke • 18 Mile & Van Dyke • 586-939-4500

SUBWAY CHRYSLER
Inside Chrysler Stamping • 35777 Van Dyke • 586-795-0205

OPEN 24 HOURS
7960 Metro Parkway • near Van Dyke • 586-268-0800

SUBWAY CHRYSLER
Inside Chrysler SHAP • 38111 Van Dyke • 586-268-6900

- SHELBY -
81723 23 Mile Rd • 23 & Van Dyke • 586-739-4100

SUBWAY/WALMART
51450 Shelby Pkwy • 23 & Van Dyke X-Way • 586-254-8140

- WASHINGTON TOWNSHIP -
DRIVE THRU SERVICE
13160 32 Mile Road • 32 & Van Dyke X-Way • 586-281-6359

- ROMEO -
66603 Van Dyke • South of 31 Mile • 586-752-6500

For 2015 – The Good: Sales, Profits Were Up; The Bad: Recalls, Fines; The Ugly: VW Cheats

CONTINUED FROM PAGE 1

resulting in an estimated 18 million seasonally adjusted annual rate (SAAR).

Kelley Blue Book also said December will cap the biggest year of U.S. new-car sales that the industry has ever seen, with total light vehicle sales of roughly 17.5 million, representing a 6.1 percent jump from 2014 totals. The previous high was 17.35 million units in 2000.

"December has become one of the biggest sales months of the year, helped by year-end targets and prominent holiday sales events," said Tim Fleming, analyst for Kelley Blue Book. "As we move into the new year, expect this strength to continue, although at a slower rate than this year."

"In 2016, Kelley Blue Book fore-

casts sales in the range of 17.5 million to 18 million units, which would represent another record-breaking year."

As for profits, full-year results aren't in yet. But GM's third quarter was strong. Profits fell slightly, but the company rode strong North American sales to overcome \$1.5 billion in costs from its deadly ignition switch recall.

Meanwhile, Ford's gamble on trucks has paid off. Pickup trucks drove the Dearborn automaker to record North American numbers in the third quarter, and the company expects the trend to continue for a while, said Ford sales analyst Erich Merkle.

Ford earned \$2.7 billion in North America, up 89 percent from a year ago, largely due to higher sales of its new F-150 pickup truck. Ford debuted the aluminum-sided truck in the fall of

2014, but didn't hit full production at its two U.S. facilities until June. "What really stood out were the F-Series," said Merkle. "Trucks really stole the show."

Sales of F-Series pickups hit a nine-year high in the third quarter.

On the other hand, Fiat Chrysler was unable to escape recall costs. Net income for Fiat Chrysler's U.S. operations fell 89 percent in the third quarter as the automaker set aside millions of dollars to pay for future safety recalls.

The Auburn Hills company reported its net profit was \$70 million in the third quarter com-



Volkswagen's defeat devices were developed at this facility.

pared with \$611 million last year.

Fiat Chrysler US posted a little more than \$1 billion in one-time pretax charges. That included an

\$848 million adjustment for recalls, along with \$159 million for vehicles damaged in a Chinese port explosion last August.

OCC Names New Executive

Robert M. Kelly assumed the position of executive director of facilities operations at Oakland Community College (OCC), effective Dec. 7. Prior to joining OCC, he was assistant superintendent for auxiliary and support service at the state's second-largest K-12 district, Utica Community Schools, said OCC spokeswoman Bridget M. Kavanaugh.

Kelly will oversee the public safety, risk management, construction, environmental health and safety, and maintenance departments for the school's five campuses, including more than two million square feet of classroom, library, office, administrative, and common areas.

Kelly brings nearly 30 years of professional experience in facilities operations and support services including work with L'Anse Creuse Public Schools, Ford Motor Land Services and

Ford Motor Company, Kavanaugh said.

At Ford, he managed the infrastructure and capital spending plan and budget for corporate, commercial and Research and Engineering Center properties, as well as maintenance and construction for Ford World Headquarters and other properties.

"Bob brings a level of expertise and a steady hand to help ensure our campuses are highly efficient and safe learning environments," said Peter Provenzano, vice chancellor of Administrative Services.

"As OCC's facilities wear with age and heavy use, we need to be sure our classrooms, labs, auditoriums and grounds meet the needs and expectations of our students and community while we continue to address the financial challenges in higher education."

Buying New, Used or Refinancing...

rates as low as **1.45% APR***

Enjoy low auto loan rates at a credit union that cares!

www.CCFinancial.com

800.777.6728

*APR=Annual Percentage Rate. Rates are "as low as" and based on credit score, term of loan. Subject to change at any time.



CMU
CENTRAL MICHIGAN
UNIVERSITY

A Logical Progression

Bachelor of Science in Engineering Technology



Master of Science in Administration/Engineering Management

and all from Central Michigan University in Metro Detroit

Get all the details!

Call, e-mail, or visit our web site today.



877-268-4636



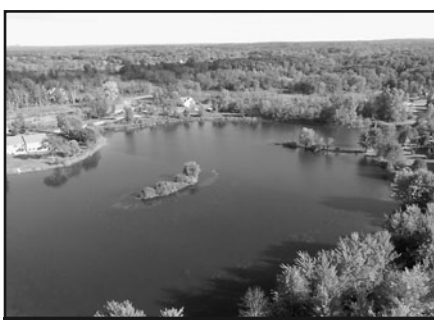
cmich.edu/globalcampus

#CMUglobal

CMU is an AA/EQ institution (see cmich.edu/OCRIE), cmich.edu/globalcampus 42658 7/15



Everything you need for a successful and rewarding career in engineering at Central Michigan University in Metro Detroit.



New homes from \$250's

Sales information
Kim 248-506-5275

www.TomZibkowski.com

FENTON ORCHARDS

www.FentonOrchards.com

Homes on 1/2 acre lots backing to wooded nature preserve.

Lakefront lots available

Homes available for Immediate occupancy on Fenton Rd.

South of Thompson Rd.

LAKE FENTON SCHOOLS!!!



Realty Executives Midwest



New Homes and Condos

Cheshire Park located on West side of Shashabaw South of Waldon

Immediate Occupancy!

Models Open

Condos from \$179,900 • Colonials homes from \$292,900

Tom Zibkowski
586-532-6700 x114



Realty Executives Midwest

Picture may not reflect actual vehicle. * The FCA US LLC (formerly Chrysler Group) Employee Advantage Purchase program sale prices and lease payments quoted. Just add tax, title, doc fee and destination charge. ** 24, 27, 30, 36 month FCA US LLC employee leases. The amount due on all leases require amount due plus monthly tax, cap cost reduction tax, first payment fee, title, plate, doc fee and destination charge. Security deposit is waived on all lease payments. Lease payments are the 10,000 miles per year, .30 cents per mile thru July or 25 cents thru Chrysler Capital for excess mileage. Customer must qualify for 1 or 5 tier credit approval. Payments subject to change due to lower approved credit tier. Banks may require to prove income and residency for credit approval. Customer is responsible for excess wear and tear. Total delivered price is the sum of the purchase price, plus doc fee, plate fee, sales tax, and accrued finance charges over the term of the loan. All rebates and program payments assigned back to dealer. All prices and lease payments are based on FCA US LLC incentives thru the Great Lakes Business Center. Rebates as retail consumer cash sale, cash lease, lease loyalty, military, trade assist cash, finance bonus cash and all other Great Lakes offers will be applied. The dealer invoice amount is not a factory price to dealer. Customers may not qualify for all offers, incentives, discounts or financing offers. See dealer for qualifications and complete details. Exclusive Hoversen new car cash coupon has been applied to all sale and lease payments in this ad. Vehicle cash include Chrysler Capital bonus cash must finance thru Chrysler Capital. Ram leases include Great Lakes Truck Conquest Bonus cash. *Sale prices include lessee loyalty rebate cash, customer must qualify. 1/25 month 2.99% APR with approved credit.

Inventing is an important part of Ford DNA, Nair said, pointing out that Henry Ford earned more than 150 patents for his inventions.

Ford Shelby GT350 Mustang, BMW 340i Among Ward’s ‘10 Best Engines’

The 10 best engines in the industry are honored every year by *WardsAuto* editors.

The publication released in December its list for model year 2016, and the winners represent a broad spectrum of the industry. The 3.6L DOHC V6 (Chevrolet Camaro/Cadillac ATS), the 2016 Chevrolet Volt propulsion system and 3.0L Turbodiesel DOHC V6 (Ram 1500 EcoDiesel) engines were written about in a previous issue of this newspaper.

- Other winners included:
- 5.2L DOHC V8 (Ford Shelby GT350 Mustang);
 - 3.0L Turbocharged DOHC I-6 (BMW 340i);
 - 2.0L DOHC 4-cyl./50-kW Drive Motor (Hyundai Sonata PHEV);
 - 3.5L DOHC V-6 (Nissan Maxima);
 - 2.0L Turbocharged DOHC 4-cyl. Boxer (Subaru WRX);
 - 1.8L DOHC 4-cyl./53-kW Drive Motor (Toyota Prius HEV);
 - 2.0L Turbo/Supercharged DOHC 4-cyl. (Volvo XC90).

WardsAuto editors really liked the Ford Shelby 5.2L DOHC V8 engine. They wrote, “Ford has no trouble muscling its way onto this year’s list with a 526-hp naturally aspirated 5.2L bruiser of a V8 in the new Shelby GT350 Mustang.

“With its heralded flat-plane crankshaft and weight-reducing Plasma Transfer Wire Arc cylinder coating, Ford’s “Voodoo” V8 casts a spell on *WardsAuto* editors by demonstrating that a redline of 8,250 rpm is not something to fear but embrace.

“Derived from the 5.0L ‘Coyote’ V8 that won *WardsAuto* 10 Best Engines trophies in 2011 and 2012, the 5.2L, with old-school port fuel injection, 6-speed manual transmission and using premium fuel, reaches the 100 hp/L threshold, which is extremely difficult for a big engine without forced induction.

“Truly suited for hammering around the track, the GT350’s engine is described as ‘positively demonic’ by a Mustang loyalist intoxicated by the brash exhaust note and subtle but soothing shimmy at idle.

“The Voodoo engine does everything well, from puttering around town to frightening small animals. *WardsAuto* editors consider it the pinnacle of internal-combustion engineering.”

Editors noted that BMW remains “the most-honored automaker, with 32 *WardsAuto* 10 Best Engines trophies since the competition began in 1995. The latest comes for the new B58 3.0L turbocharged inline-6 that resides in the 340i sedan and is destined for numerous BMW applications in years to come.

“The 320-hp B58 replaces the N55 turbo 3.0L, which earned three trophies from 2011 to 2013. With a larger twin-scroll turbocharger, higher compression ratio and the impeccable balance afforded by an inline layout, BMW proves once again an engine need not make outrageous horsepower or torque numbers to be enormously rewarding and thrilling to drive.

“The 340i loves to stretch its legs in the upper reaches of the powerband, which didn’t stop a number of editors from topping 25 mpg during our evaluations.

“The B58 springs from a new modular architecture that begins with the 6-cyl., then lops off pistons to make 3- and 4-cyl. variants. Those B38 and B48 engines, evaluated in Mini Hardtops in this year’s competition, also impressed the editors, but not quite like the BMW 340i.”

Editors called the Hyundai Sonata plug-in hybrid “remarkable.” It employs an “excellent 2.0L 4-cyl. paired with a 67-hp electric motor, which draws energy from a 68-kW lithium-polymer battery.

“Plug in the Sonata and bank on at least 27 miles of electric range before the direct-injection 2.0L starts the heavy lifting. Charging takes 2.7 hours with 240V or nine hours with a 120V wall socket.

“But plan to be pleasantly surprised, like one editor was, when a 30-mile commute with a full battery ends with 8 miles of electric range still in the battery. Thank the software that allows for aggressive regeneration while decelerating and braking.

“In real-world situations that included a mix of gasoline and electric driving, *WardsAuto* editors achieved fuel economy between 41 and 80 mpg. But it’s not just about saving fuel. The high-compression 154-hp 2.0L is the soul of this hybrid and makes it enormously fulfilling and smooth to drive. And don’t forget the \$4,500 in various federal tax credits.”

WardsAuto editors said that Nissan has always been a strong performer when it comes to engines. The company collected its 17th *Wards Auto* 10 Best Engines trophy and the 15th for its 3.5L V6 that comes from its vaunted VQ engine family.

The VQ, in displacements ranging from 3.0L to 3.7L, won 14 straight trophies between 1995 and 2008.

“This year, it returns with a sig-

nificant overhaul in time for its launch in the all-new Maxima sedan, carrying over the aluminum block, port fuel injection, compression ratio and bore and stroke.

“But 61 percent of the new VQ’s parts have been redesigned to reduce friction and weight and promote better breathing. The new heads, intake ports and intermediate locking valve timing make for more complete combustion, and a new intake manifold with wider and shorter runners improves airflow.

“Like the 3.0L that dazzled us in the Maxima in 1995, the improved VQ makes for light, lively and refined power delivery, and the sterling midrange torque is still there. And we can’t recall ever getting 30 mpg from this engine long ago.”

Editors said that Subaru was a returner to the list with another winner – its 2.0L turbocharged 4-cyl. boxer that turns the Subaru WRX into a riotous weekend racer or a docile suburban cruiser.

Editors wrote, “producing 268 hp and 258 lb.-ft. of torque, this direct-injection “FA” boxer has become the poster child for high-output, affordable turbocharged 4s. Last year, it managed to float to the top of our list among a sea of 15 4-cyl. turbos, many of them quite good.

“This year, there were eight 4-cyl. turbos, and the WRX capitalized on that mathematical advantage with its low weight, twin-scroll turbocharger and palatable \$28,895 base price, with Premium trim.

“The FA boxer makes the WRX fast, fun and spirited, while being perfectly suitable for daily driving. This is a great engine that completes the package: a reasonably priced practical sports car with a rally racing heritage.”

Editors also praised Toyota’s fourth-generation Prius engine. They wrote that “with an all-new 95-hp 1.8L 4-cyl. paired with two electric motors pumping another 53 kW of juice from batteries stored in the rear, the new Prius delivers seamless acceleration and real-world fuel economy during our evaluations of up to 61 mpg.

“There’s a lot of new technology onboard, such as the cooled exhaust-gas recirculation used for the first time on a Prius to improve fuel economy and emissions. It’s quieter and silkier than the old Prius, and a ‘Power’ button provides a noticeable kick on freeway entrance ramps.

“With an attractive as-tested price of \$24,700, the Prius is the least-expensive vehicle on our list, while selling at the highest volume.”

Volvo also received praise

from the *WardsAuto* editors for the company’s consistency.

Editors wrote that last January, Volvo’s Michael Fleiss collected a trophy for the 2.0L T5 turbocharged 4-cyl. in the S60 sedan and told a *Wards Auto* editor he would be back in January 2016 when the more powerful 2.0L T6 engine wins an award as well. It was a gutsy statement. And one that Volvo was able to make good on.

“But a year later, after our editors have driven the new XC90 and routinely got better than 24 miles per gallon in a big 7-passenger CUV with all-wheel drive, the *WardsAuto* staff now is equally enthusiastic about this all-aluminum engine rated at 316 hp and 295 lb.-ft. of torque.”

Editors also liked the way that only four pumping pistons provided the power necessary to effortlessly drive this 3-row people-mover. This results in the XC90 “having the composure, power and refinement of a high-feature V6. The T6 arguably is the new benchmark for high-output 4-cyl. engines.”

This, editors wrote, sets this direct-injection powerplant apart from other small engines employing forced induction in the pairing of supercharging to provide immediate punch with turbocharging to carry on at higher rpm.

Macomb Community College is offering the following courses free of charge through March 2016:

3D Printing Applications

- Introduction of Additive Manufacturing – 1/21/16 thru 1/22/16
- Applications of Additive Manufacturing Using Bio-based Materials – 1/28/16 thru 1/29/16

Bio Based Materials Exploration

- Introduction of Bio-based Materials, Specifications, and Industry Applications – 1/19/16 thru 1/20/16
- Overview of Bio-based Material Productions – 1/25/16 thru 1/26/16
- Overview of Experimental Testing and Industry Standard Testing of Bio-based Material – 2/2/16
- Introduction of Modeling and Simulation of Bio-based Products – 2/18/16 thru 2/19/16

Please contact Charles Cammarata at (586)445-7425 or cammaratac00@macomb.edu for more information or to register.

Courses customized by **Wayne State University** to support the initiatives of the Make It in America Challenge grant. Required paperwork must be completed prior to attending.



Funding comes from the Department of Labor/Employment and Training Administration

Learn How To Get The Most From Your Retirement Savings



Two Ways to Receive Your Free Kit

By Phone

Call (810) 593-1624

Download Now

KaydanWealthPresents.com

AT HEIDEBREICHT CHEVROLET –

HAPPY HOLIDAY DEALS!

CHEVY
HOLIDAY
BONUS
TAG

**PLUS – WAIVE UP TO
3 MONTHLY PAYMENTS
WITH LEASE PULL-A-HEAD OFFERS!***

2016 CHEVY MALIBU LT LIMITED

ULTRA-LOW MILEAGE LEASE EXAMPLE FOR QUALIFIED CUSTOMERS WITH
A GM EMPLOYEE DISCOUNT AND A CURRENT NON-GM LEASE

\$0 DOWN \$74 23 MONTH
LEASE**

\$0 FIRST MONTH'S PAYMENT/23 MONTH LEASE

plus tax, title, license, 10k miles per year, no security deposit. Stk. #94014



2016 CHEVY TRAVERSE LS FWD

ULTRA-LOW MILEAGE LEASE EXAMPLE FOR QUALIFIED CUSTOMERS WITH
A GM EMPLOYEE DISCOUNT AND A CURRENT NON-GM LEASE

\$0 DOWN \$207 24 MONTH
LEASE*

plus tax, title, license, 10k miles per year, no security deposit. Stk. #93896



2016 CHEVY SILVERADO 1500 DOUBLE CAB ALL STAR V6

ULTRA-LOW MILEAGE LEASE EXAMPLE FOR QUALIFIED
CUSTOMERS WITH A GM EMPLOYEE DISCOUNT AND
A CURRENT NON-GM LEASE

\$0 DOWN \$203 24 MONTH
LEASE*

plus tax, title, license, 10k miles per year, no security deposit. Stk. #93987



HEIDEBREICHT CHEVROLET

64200 Van Dyke • Washington, MI
www.heidebreicht.com
586.697.2460

CHEVROLET



2016 Midnight Edition of the Chevrolet Trax

Chevy Trax Strikes Midnight

Call it going over to the dark side.

Chevrolet will be producing the 2016 Trax Midnight Edition – a blacked-out styling statement for the small SUV.

The new model offers customers a bold choice and “adds to the momentum of the brand’s record 2015 crossover sales,” said GM spokeswoman Leslie Rajewski.

“Introduced just a year ago, the Trax has quickly become an important vehicle for Chevrolet, bringing in new, younger and more female buyers to the brand,” said Betsy Flegg, senior marketing manager, Chevrolet Crossovers.

“The small SUV segment is the fastest-growing in the industry and models such as the new Trax Midnight Edition provide customers an expressive option.”

Based on the LTZ trim, the Midnight Edition features black wheels, bezels, beltline molding and door handles, along with a black rear license plate applique. Inside, the seats are trimmed with gray accents and the floor mats feature gray piping.

Trax sales were 57,707 for the first 11 months of 2015, placing it

second in the segment, with almost 20 percent market share, Rajewski said. Chevrolet crossover sales were up 35 percent for the same period.

Fusing small-car agility and utility convenience of an SUV, said Trajewski, Trax offers up to 48.4 cubic feet of cargo space. A 1.4L turbocharged engine offers the efficiency of a small displacement engine – an EPA-estimated 34 mpg highway (FWD models) – with the power of a larger engine on-demand, she said. Connectivity features include an available 4G LTE Wi-Fi hotspot.

Trax is joined by a full complement of Chevy crossovers and SUVs including the Equinox, Traverse, Tahoe and Suburban, Rajewski said. The Trax Midnight Edition will be assembled at GM’s Bupyeong-gu facility in South Korea. It’s based on GM’s Gamma II platform. The original Gamma platform was developed by Opel. The Gamma II platform was developed under the leadership of GM Korea.

The Trax Midnight Edition goes on sale in late February 2016, with a package price of \$500, in addition to the Trax LTZ’s \$26,125 suggested MSRP.

We guarantee the lowest price or it's free!

We guarantee the lowest price or it's free!

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

HAPPY HOLIDAYS

from

buff whelan chevrolet

586-274-0396

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

2016 MALIBU 1LT

NO SECURITY DEPOSIT REQUIRED

Stk. # 60789

Power Locks, Windows, Mirrors
Touch Screen Radio, Blue Tooth, OnStar
XM Radio & More...

24 Month Lease/10,000 Miles

\$94* + Tax with
\$0 Down

NO SECURITY DEPOSIT REQUIRED

2016 EQUINOX 1LT

NO SECURITY DEPOSIT REQUIRED

Stk. # 61169

7" Touch Screen, OnStar/XM Satellite Radio
MYLink Touch Screen Radio, Remote Keyless Entry
Rear Vision Camera, Alum. Wheels & More...

24 Month Lease/10,000 Miles

\$169* + Tax with
\$0 Down

NO SECURITY DEPOSIT REQUIRED

2016 SILVERADO 1LT

NO SECURITY DEPOSIT REQUIRED

Stk. # 61255

ALL STAR EDITION, Power Window & Locks
7" Touch Screen Radio, Trailer Tow, Remote Start
Alum. Wheels, Back Up Camera & More...

24 Month Lease/10,000 Miles

\$202* + Tax with
\$0 Down

NO SECURITY DEPOSIT REQUIRED

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

GM

PEP QUOTES BY PHONE OR EMAIL: JEFF CAUL AT JCAUL@BUFFWHELAN.COM

CONVENIENT HOURS: MON. & THURS. 8:30AM-9PM / TUES., WED. & FRI. 8:30AM-6:30PM / FIND NEW ROADS*

*See dealer for details. All Rebates/Incentives have been deducted from sale price/payment and are subject to change by manufacturer without notice. GM Employee discount required unless otherwise noted. The Silverado lease includes GM Lease Loyalty or Lease Conquest. The Malibu and Equinox leases assume that you qualify for lease conquest. To qualify for Lease Conquest you must have a NON-GM Lease in the household that terminates within 365 days. All lease payments are based on 10,000 miles per year. 1st payment, tax, title and plate fee due at signing on all leases unless otherwise noted. All deals expire 1/4/2016

We guarantee the lowest price or it's free!

We guarantee the lowest price or it's free!

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

Wally Edgar

2016 CRUZE

\$42* PER MONTH
24 MONTHS 10K LEASE
\$999 DOWN
FIRST PAYMENT WAIVED

2016 EQUINOX

\$128* PER MONTH
24 MONTHS 10K LEASE
\$999 DOWN

2016 SILVERADO
DOUBLE CAB • 4WD

\$179** PER MONTH
24 MONTHS 10K LEASE
\$999 DOWN

FIND NEW ROADS* / LOCATED RIGHT OFF I-75 ON M-24

Wally Edgar

1-866-906-0279

3805 LAPEER RD., LAKE ORION

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

SALES HOURS:
MONDAY - THURSDAY 8 AM - 8 PM • FRIDAY 8 AM - 6 PM
SATURDAY 9 AM - 3 PM • SUNDAY CLOSED

*Lease payment examples for Cruze and Equinox at GM Employee Discount Price plus tax, title, plate, zero security deposit, first month payment (first payment waived for Cruze) and doc. fees due at signing with all rebates including GM Competitive Lease Conquest Private Offer (customer's qualifying competitive lease must have a scheduled end date within 365 days of the delivery date of the new vehicle) assigned to dealer. **Lease payment example for Silverado at GM Employee Discount Price plus tax, title, plate, zero security deposit, first month payment and doc. fees due at signing with all rebates including GM Lease Loyalty Private Offer assigned to dealer. Lessee responsible for excess wear and tear as well as exceeded contracted mileage. Due to advertising deadlines, prices subject to change. See dealer for details.

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

Wally Edgar

1-866-906-0279

3805 LAPEER RD., LAKE ORION

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

SALES HOURS:
MONDAY - THURSDAY 8 AM - 8 PM • FRIDAY 8 AM - 6 PM
SATURDAY 9 AM - 3 PM • SUNDAY CLOSED

DENSO to Display Its New Technologies at NAIAS

Automotive supplier DENSO will showcase its safety, autonomous drive and environmental technologies with interactive, augmented reality displays at the 2016 North American International Auto Show (NAIAS), to be held at Cobo Center in Detroit Jan. 11-24.

A premier sponsor of the event, DENSO is exhibiting at the show for the 12th consecutive year, said DENSO spokeswoman Bridgette LaRose.

The supplier, which has its North American headquarters in Southfield, will use an augmented reality platform to show its vision for "smart cities" of the future, and how its tech could be used to make life smarter, safer and easier, LaRose said.

The display shows how vehicles, infrastructure, homes and grids can become connected and more energy-efficient in future smart cities. In this Smart City, vehicles talk to each other and to the city infrastructure.

Visitors will see how these technologies can be used to time traffic lights, prevent accidents, or work with a phone app to book a parking space or get transportation within city limits.

In the residential area, users will see how their home will "know" when you're approaching and automatically adjust your heating/cooling and lighting, LaRose said.

In the farming area, unmanned machinery could work the fields and maximize all areas of crop productivity based on communicating information from a centralized location. Users will see how this tech can be used in semi-truck long-haul platooning.

DENSO, LaRose said, will also be showing off its safety technol-

ogy. The company's exhibit will feature a Harmonious Communications Cockpit equipped with safety support systems and intelligent technologies to help drivers and passengers arrive at their destinations safely.

To move to a society free of driving accidents, LaRose said, this cockpit features Head-up Display so drivers can keep their eyes on the road. Features include:

- Harmonious Lumi that illuminates to inform drivers of obstacles in the road;
- Driver Status Monitor, a camera to monitor the driver's attentiveness; Active Footrest to notify the driver when lane change assistance is activated;
- Electric Mirror, which displays rear and side images when a potentially threatening situation is detected.

DENSO also will display its Advanced Driving and V2X technologies.

The company will also display its newly developed standardized Heating, Ventilating and Air Conditioning (HVAC) unit, which received the *Automotive News* Premier Automotive Suppliers' Contribution to Excellence (PACE) Award in 2015 for its industry-first standardized HVAC unit that is 20 percent smaller and lighter than conventional units, said LaRose.

It's the world's first standardized HVAC component that can be used in a variety of vehicles, which will allow carmakers to realize a cost savings, LaRose said.

DENSO also will feature its Gasoline Direct Injection (GDI) and Hybrid, Electric Vehicle (HEV) and Stop/Start technologies.

VYLETTEL



COSTCO MEMBERS NOW GET GM PRICING ON ALL 2015/2016 BUICK/GMC MODELS!

JUST ANNOUNCED...

0% for 72 months on all remaining 2015 GMC Yukons



WE ARE PROFESSIONAL GRADE

SELLING BELOW GM PRICING FOR THE MONTH OF DECEMBER ON ALL 2015 GMC AND BUICK MODELS

<p>2015 GMC TERRAIN FWD • SL1</p> <p>\$20,500*</p> <p>WAS \$28,115</p> <p>YEAR END SAVINGS SAVE OVER \$7,600 OFF MRSP</p>  <p>Stock #8201-15 GM employee price plus tax of \$1455, plus title, lic & doc. Must qualify for lease conquest rebate for lowest price. Demo with 2,733 miles. Purchase example is stock specific.</p>	<p>2016 GMC ACADIA FWD • SLE-1</p> <p>\$199*</p> <p>24 MONTH LEASE FOR ONLY \$199* 10K PER YEAR</p>  <p>Stock #8788-16 • Deal #58510 \$1709 total due at signing. GM pricing plus tax, title & lic. Mat package removed. GM price lease figured with lease conquest rebate. Dealer removed original equipment from vehicle. NO SECURITY DEPOSIT REQUIRED!</p>
<p>2015 GMC CANYON 4WD • SLE • EXT CAB</p> <p>\$28,568*</p> <p>WAS \$33,045</p> <p>END OF THE YEAR SPECIAL SAVE OVER \$4,400 OFF MRSP</p>  <p>HOLIDAY SALES EVENT SAVING Stock #8323-15 GM employee price plus tax of \$1744.08, plus title, lic & doc.</p>	<p>2015 GMC SIERRA 1500 • 4WD • DOUBLE CAB • SLE</p> <p>\$159*</p> <p>24 MONTH LEASE FOR ONLY \$159* 10K PER YEAR</p>  <p>Stock #8580-15 • Deal #52863 \$1930 total due at signing. GM pricing plus tax, title & lic. GM price lease figured with lease loyalty rebate. NO SECURITY DEPOSIT REQUIRED!</p>

VISIT OUR WEBSITE TO SEARCH FOR MORE VEHICLE SELECTIONS AT WWW.VYLETTEL.NET

40755 Van Dyke • Sterling Heights • 586.977.2800

WWW.VYLETTEL.NET

SALES: Sun CLOSED; M, TH 8:30am-9pm; T, W, F 8:30am-6pm; SAT 10am-3pm
SERVICE: Sun CLOSED; M, TH 7am-8pm; T, W, F 7am-6pm; Sat 8am-1pm

*GM Employee Pricing Plus Tax, Title, Lic. and Doc. No Security Deposit Required. Programs subject to change. Photos may not represent actual vehicle. Price is subject to change without notice. See dealer for details. Expires 1/4/16.

ALL PROGRAMS THROUGH JAN 4TH, PLEASE CALL FOR NEW PROGRAMS



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



CHEVY
#44296



Drive Beautiful!



BUICK
#42333

WE ARE PROFESSIONAL GRADE!
#21552

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



RED TAG SALES EVENT

2016 EQUINOX "LT"

- Chevrolet Complete Care INCLUDED!
- 2.4L DOHC Engine! • 7" Color Touch Screen MyLink Radio!
- Heated Front Seats! • Remote Start & Entry!
- OnStar w/4G LTE w/built-in Wi-Fi hotspot!
- 17" Aluminum Wheels!
- Rear Vision Camera!
- 32 MPG on the Highway!

Stock #Q5841

WAS \$28,680 Sale Price \$22,134*

24 MONTH LEASE:
\$129* OR **\$129***

\$0 DOWN W/LEASE CONQUEST \$999 DOWN W/LEASE LOYALTY

2016 MALIBU "LT"

- Chevrolet Complete Care INCLUDED!
- 2.5L DOHC VVT Engine! • Remote Start & Entry!
- OnStar w/4G LTE w/built-in Wi-Fi hotspot! • Aluminum Wheels!
- 7" Color Touch Screen MyLink Radio!
- Power Driver's Seat!
- Rear Vision Camera
- 36 MPG on the Highway!

Stock #G25779

WAS \$26,085 Sale Price \$19,506*

24 MONTH LEASE:
\$109* OR **\$106***

\$0 DOWN W/LEASE CONQUEST \$999 DOWN W/LEASE LOYALTY

Chevy Lease Pull-Ahead...Waiving Up to 3 YOUR Remaining Payments!*

2016 CRUZE "LT"

- Chevrolet Complete Care INCLUDED!
- ECOTEC "Turbo" 1.4L DOHC VVT Engine! • Automatic Transmission!
- OnStar with 4G LTE with Built-in WiFi hotspot!
- AM/FM/XM Radio w/CD! • Remote Keyless Entry!
- Bluetooth for Phone! • Rear Window Defrogger!
- 38 MPG on the Highway!

Stock #G27125

WAS \$21,070 Sale Price \$16,099*

24 MONTH LEASE:
\$89* OR **\$89***

\$0 DOWN W/LEASE CONQUEST \$999 DOWN W/LEASE LOYALTY

2016 TRAX "LT"

- Chevrolet Complete Care INCLUDED!
- ECOTEC 1.4L "Turbo" DOHC VVT Engine! • Remote Start & Entry!
- USB Port and Auxiliary Input Jack! • Power Locks & Windows!
- OnStar with 4G LTE with built-in Wi-Fi hotspot!
- 7" Color Touch Screen Radio w/Bluetooth!
- Steering Wheel Controls!
- 34 MPG on the Highway!

Stock #G27300

WAS \$23,540 Sale Price \$19,214*

24 MONTH LEASE:
\$115* OR **\$115***

\$0 DOWN W/LEASE CONQUEST \$999 DOWN W/LEASE LOYALTY



Where You Always Get...



RICH MILNE
rmilne@moranautomotive.com

35500 S. Gratiot Ave. / North of 15 Mile / Clinton Township

COMPLETE CARE / FIND NEW ROADS

*Pictures may not represent actual sale vehicle. All applicable incentives including conquest and/or loyalty offers have been deducted from Sale Prices/Payments and are subject to change by the manufacturer without notice and are plus title, tax, plate and CVR fees and were valid at time of printing. Leases are 10,000 miles per year. Disposition fee may be required at lease turn in. GM Employee discount is required except where noted. Equinox is previous dealership courtesy vehicles with 2000 - 2500 miles. Lease pull ahead is for current Chevrolet lessees and will waive up to 3 remaining payments (\$1500 maximum). Must have 1999 or newer non-GM lease for Competitive Brand offer. Amount depends on model. Certain restrictions apply, see dealer for complete details on all incentives/offers. Sale ends 1/4/2016 @ 5:00PM

— BUICK/GMC HOLIDAY EVENT —

ED RINKEEXPERIENCE  THE NEW BUICK**2015 BUICK ENCORE**


Stk. #B553957 Stk. #B553957

LEASE FOR \$79* 24 MO. \$999 DOWN	PURCHASE FOR \$22,236*
---	----------------------------------

2016 BUICK VERANO 1SD


Stk. #B460466 Stk. #B450240

LEASE FOR \$89* 24 MO. \$999 DOWN	PURCHASE A 2015 1SL FOR \$23,251*
---	--

2016 BUICK LACROSSE 1SL



Stk. #B460492 Stk. #B450105

LEASE FOR \$189* 24 MO. \$999 DOWN	PURCHASE A 2015 1SB FOR \$27,814*
--	--

2016 BUICK ENCLAVE CONVENIENCE GROUP


Stk. #SXF9XH Stk. #SXF9XH

LEASE FOR \$209* 24 MO. \$999 DOWN	PURCHASE FOR \$34,502*
--	----------------------------------

WE ARE PROFESSIONAL GRADE  WE ARE PROFESSIONAL GRADE**2016 GMC YUKON SLE • 4WD**


Stk. #G560733 Stk. #G560733

LEASE FOR \$479* 36 MONTHS \$1,999 DOWN	PURCHASE FOR \$46,575*
---	----------------------------------

2016 GMC ACADIA SLE-1


Stk. #SZPKG5 Stk. #SZPKG5

LEASE FOR \$179* 24 MONTHS \$1,499 DOWN	PURCHASE FOR \$29,965*
---	----------------------------------

2015 GMC SIERRA 1500 • DBL. CAB


Stk. #SPZJ78 Stk. #SPZJ78

LEASE FOR \$89* 24 MONTHS \$1,999 DOWN	PURCHASE FOR \$30,549*
--	----------------------------------

2016 GMC TERRAIN SLE-1


Stk. #G560659 Stk. #G560659

LEASE FOR \$129* 24 MONTHS \$999 DOWN	PURCHASE FOR \$23,317*
---	----------------------------------

SHOWROOM HOURS:**MON. & THURS.
8:30AM-9PM****TUES., WED. & FRI.
8:30AM-6PM**

We'll give you a \$3,500 minimum for your 2003 or newer trade in.

See us for your GM employee purchases.

1-866-452-1300**26125 VAN DYKE AT 10 1/2 MILE ROAD**

Now looking for experienced salespeople to join our team!

**Paul Makowski**
pmakowski@edrinke.com**Dennis Thacker**
dthacker@edrinke.comVISIT OUR WEBSITE: edrinke.com

*All prices and payments include GM rebates. Pictures may not represent actual vehicle. Prices subject to change per GM incentives. Prices and payments are inclusive of active GM employee discount (unless otherwise stated). All leases are 10,000 miles per year with approved S Tier credit. Vehicles shown are \$999 down. Must have lease loyalty and/or conquest. Prices and payments are plus tax, title, plate fee w/ acquisition fee up front, refundable security deposit required on certain vehicles — to be determined by lender. \$3,500 trade in is valid on 2003 or newer vehicles w/ under 115k miles in drivable condition, no branded titles, reconditioning determined by appraiser. Certain restrictions may apply, see dealer for complete details. Impala acquisition fee due up front. Exp date: 1/04/2016.

Superior Appoints Bruynesteyn to Its Board of Directors

Southfield-based Superior Industries International, Inc., a manufacturer of aluminum wheels for passenger cars and light-duty vehicles in North America, appointed Michael Bruynesteyn to its board of directors, effective immediately.

Bruynesteyn's appointment increases the size of the board to eight directors, seven of whom are independent, said Superior spokesman Kerry Shiba.

Bruynesteyn currently serves as treasurer and vice president of Strategic Finance at Turner Construction, the largest non-residential commercial construction company in the United States, Shiba said.

He has more than twenty years of finance experience, largely focused on the automotive industry in a variety of global senior roles spanning corporate finance, investment banking and equity research. He has also served, since 2013, as a member of the advisory board of Levant Power Corporation, a privately-held developer of automotive active suspension technology.

"We are extremely pleased to welcome Michael Bruynesteyn to the board of directors of Superior Industries," said Margaret S. Dano, chairman of the board. "His extensive experience in finance and capital markets and his in-depth knowledge of the automotive industry, along with a proven track record as a financial strategist, comes at an exciting time of transformation at our company."

IHS Purchases Canadian Car Info Company

IHS Inc., a global source of critical information and insight, on Dec. 28 acquired CARPROOF Corporation, a Canada-based company that offers products and services in vehicle history, appraisal and valuation for the automotive industry, for \$650 million USD (approximately \$460 million USD), said IHS spokesman Dan Wilinsky.

More details on the acquisition will be provided on the IHS fourth quarter and year-end 2015 earnings call on Jan. 12, 2016, Wilinsky said.

CARPROOF was founded in 2000, Wilinsky said, and is the industry standard in Canada for providing automotive vehicle history reports to dealers, auto auctions, original equipment manufacturers, lenders, insurers, governments, law enforcement agencies and consumers.

Wilinsky said CARPROOF has been repeatedly recognized as one of Canada's best managed companies and has appeared on Deloitte's Technology Fast 500 and Fast 50 lists.

In July 2013, IHS acquired CARFAX, the leading vehicle history expert for used car buyers, sellers and the automotive industry in the U.S., Wilinsky said.

"Like CARFAX, CARPROOF is a high-growth business and gives IHS the opportunity to expand our vehicle history report services into Canada," Jerre Stead, chairman and chief executive officer of IHS, said. "By combining the capabilities of CARPROOF and CARFAX, we also will accelerate product development to better serve the needs of our customers. This acquisition will add a highly accretive revenue-growth and EBITDA-margin business for IHS, and provide significant room for further growth."

CARPROOF (carproof.com) employs more than 130 people in Canada and is headquartered in London, Ontario, Canada, Wilinsky said.

SEASON OF GIVING PROMOTION SUPPORTING THE BOTTOMLESS TOY CHEST

ED RINKE**LEASE PULL AHEAD IS BACK!!! • LEASE PULL AHEAD IS BACK!!!****SILVERADO 2016**


1500 • LT • DBL CAB • 4WD

Stk. #560882

PURCHASE FOR \$34,697* WAS \$39,975
LEASE FOR 24 MONTHS \$139* \$999 DOWN W/ LEASE CONQUEST OR W/ LEASE LOYALTY

NEW CRUZE 2016


Stk. #460324 Stk. #460537

LEASE A LT 24 MONTHS \$69* \$0 DOWN W/ LEASE CONQUEST OR \$999 DOWN W/ LEASE LOYALTY	PURCHASE LS FOR \$15,499* WAS \$21,070
---	---

MALIBU 2016


Stk. #460204 Stk. #460131

LEASE A LT 24 MONTHS \$69* \$0 DOWN W/ LEASE CONQUEST OR \$999 DOWN W/ LEASE LOYALTY	PURCHASE LS FOR \$18,376* WAS \$24,710
---	---

EQUINOX 2016


Stk. #560399 Stk. #SRWF4T

LEASE A LT 24 MONTHS \$118* \$0 DOWN W/ LEASE CONQUEST OR \$999 DOWN W/ LEASE LOYALTY	PURCHASE LS FOR \$20,769* WAS \$27,480
--	---

NOW IN STOCK CAMARO 1LT 2016


Stk. #460564

PURCHASE FOR \$26,992*

TRAX LS 2016


Stk. #560706 Stk. #560706

LEASE FOR 24 MONTHS \$79* \$0 DOWN W/ LEASE CONQUEST OR \$999 DOWN W/ LEASE LOYALTY	PURCHASE FOR \$15,869* WAS \$21,195
--	--

TRAVERSE LS 2016


Stk. #560275 Stk. #560275

LEASE FOR 24 MONTHS \$199* \$0 DOWN W/ LEASE CONQUEST OR \$999 DOWN W/ LEASE LOYALTY	PURCHASE FOR \$26,269* WAS \$32,650
---	--

WE'LL GIVE YOU A \$3,500 MINIMUM FOR YOUR 2003 OR NEWER TRADE IN.**ED RINKE**

• FAST • FRIENDLY • DISCOUNTS



GM SERVICE CENTER
MICHIGAN'S LARGEST
• SERVICE DEPT. • PARTS • BODY SHOP
866-452-1547
26125 Van Dyke @ 10 1/2 Mile
Center Line, MI 48015

SERVICE HOURS: Monday & Thursday 6:30am-9:00pm; Tuesday, Wednesday & Friday 6:30am-6:00pm • Shuttle at 6:30am • Pick-up Both Ways • All Day starting at 6:30am.

Quick Oil Change EXPRESS LANE**LUBE OIL FILTER****\$23.95**

Up to 5 qts.

Fluid Level,
Brake & Alignment Check Included.We use Genuine GM Oil & Filter
No additional or hidden charges.
Out the door pricing.

Open Mondays & Thursdays until 8:30pm

Excludes synthetic, Diesel & Med. Duty Trucks.
Most GM cars & trucks. One coupon per customer. Must
present coupon with order. Plus tax. Expires 1-30-16.**BODY SHOP****586-754-7000**
ext 1231TRANSPORTATION AVAILABLE
During Scheduled Repairs**FREE OIL CHANGE**
With Each Major RepairVISIT OUR WEBSITE:
edrinke.com

See us for your GM employee purchases.

1-877-451-7707**26125 VAN DYKE AT 10 1/2 MILE ROAD**

Now looking for experienced salespeople to join our team!

NO DOC FEES
Find Us on
FACEBOOKSHOWROOM HOURS: MON. & THURS. 8:30AM-9PM / TUES., WED. & FRI. 8:30AM-6PM / **FIND NEW ROADS**

*All prices and payments include GM rebates. Pictures may not represent actual vehicle. Prices subject to change per GM incentives. Prices and payments are inclusive of active GM employee discount (unless otherwise stated). All leases are 10,000 miles per year with approved S Tier credit. Vehicles shown are \$999 down. Must have lease loyalty and/or conquest. Must currently own or lease a Chevrolet Volt. Must have closing competitive lease. Prices and payments are plus tax, title, plate fee w/ acquisition fee up front, refundable security deposit required on certain vehicles — to be determined by lender. \$3,500 trade in is valid on 2003 or newer vehicles w/ under 115k miles in drivable condition, no branded titles, reconditioning determined by appraiser. Certain restrictions may apply, see dealer for complete details. Exp date: 1/4/2016.

