

LANULADY 2020

# AMSOIL VS. THE COMPETITION

PAGE 8



# YOUR DEALERSHIP WITH 15+ NEW **BUYING CUSTOMERS**

In 2020, Customer-Certified Dealers with just one entry in the customerassignment pool received 15-18 assigned customers. Dealers who earned more entries in the pool received even more customers.

#### GET IN THE POOL. GET CUSTOMER CERTIFIED.

Here's how.

- Complete Customer Basic Training.
- Register four new qualified customers.

That's all it takes.

#### **EARN MORE ENTRIES IN THE POOL**

- Reach a total of 12 new qualified customers within the past 12 months to receive an extra listing in the customer-assignment pool.
- After that, you receive an additional listing for every eight new qualified customers you bring in.

THE MORE NEW QUALIFIED CUSTOMERS YOU BRING IN EVERY YEAR, THE MORE CHANCES YOU'LL HAVE TO BE ASSIGNED BUYING CUSTOMERS FROM AMSOIL.

#### Alternate qualification methods:

- Have two or more new qualified customers in the past 12 months and meet one of the following qualifications:
- Have been a Dealer for less than one year. Have 24 or more active buying customers.
- Have been a beater in less than 19 year. Thate 24 or miles active daying customers.

  The more than \$10,000 in personal product purchases plus 5 or more active buying customers.

  The number of customers you will receive after being entered into the customer-assignment pool may vary and is not guaranteed.



#### **DEALER EDITION**

**JANUARY** 2022



#### **FEATURES**

- AMSOIL vs. the Competition
- Keeping it Clear
- 10 Ask AMSOIL: What is Fuel Dilution (and Why is it Bad)?
- **12** Engine Operation Basics
- 14 Toyota\* Tacoma\* Nears 635,000 Miles with AMSOIL

#### **DEPARTMENTS**

- From the President
- Letters to the Editor
- 7 Tech Talk
- **16** Monthly Leaders
- 20 Centerlines and Updates
- 22 Insight on Sales

#### **ADVERTISEMENTS**

- Jumpstart Your Dealership with 15+ New Buying Customers
- Powerful Protection with a Sled Warranty to Match
- 19 Why Buy AMSOIL Synthetic Diesel Oil?
- 23 New 2022 Calendars Available Now
- 24 Souped-Up Benefits

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#### **Back Issues**

Back issues of AMSOIL Magazine are available for \$1 each. Order G17D and specify the month and year.

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#### **THE COVER**

Industry testing reveals the superior protection properties of AMSOIL synthetic motor oils.



# From the President

For many people, the start of a new vear signals the opportunity to make improvements in their life. According to a quick online search, some of the most common New Year's resolutions include:

- Exercise more
- · Lose weight
- Get organized
- Learn a new skill or hobby
- Save money/spend less
- Quit smoking
- Spend more time with friends and family
- Travel more
- Read more
- Live life to the fullest

Those are all good endeavors with strong benefits. I'd add one more - dedicate a specific amount of time every week to working your AMSOIL Dealership. If vou're someone who has committed to one or more of the common resolutions I listed above, working your Dealership can help you achieve several of the items on that list. An AMSOIL Dealership is a skill or hobby you can spend time mastering. It might not help you save money, but it can help you make money. Success with your Dealership can lead to more time with friends and family, more opportunities to travel and a better chance to live life to the fullest.

A stronger approach would be to create some specific goals for your AMSOIL Dealership this year. I asked the Dealer Sales team to come up with 10 simple goals a Dealer could work toward to increase sales opportunities and commissions in 2022.

- 1. Get Customer Certified (complete Customer Basic Training and register four new, buying customers).
- 2. Reach out to Dealers on your team and encourage them to become Customer Certified.
- 3. Complete all four Dealer basic training courses.
- 4. Review your catalog customers' order history and reach out to those who purchase \$100 or more annually to ensure they're aware of the benefits of being a Preferred Customer and the availability of the 6-month trial membership option. Some customers view being contacted by phone as a nuisance, so we recommend using email or direct mail to introduce this option.
- 5. Wear AMSOIL clothing as often as possible.
- 6. Review your P.C.s' order history and introduce the most active ones to the AMSOIL Dealership option. Here again, email or direct mail are the best choices for introducing this option in an unobtrusive manner.
- 7. Review your P.C. report to identify those with outstanding P.C. rewards and encourage them to use their rewards.
- 8. Regularly share content from "The Inside Track" on your social media
- 9. Join the AMSOIL Dealer Facebook group and participate in Facebook live events.
- 10. Use an AMSOIL product you haven't used previously and let your customers know about your experience.

Completing any of these goals will benefit vour Dealership, but vou will benefit most by becoming Customer Certified and receiving assigned customers from AMSOIL throughout the year. At the corporate level, we have several defined goals we are working toward in support of strategies for *The* Next 50, including making it easier to do business with AMSOIL, improving Dealer satisfaction and retention, strengthening our supply chain and optimizing the reporting tools in the Dealer Zone.

That's just the tip of the iceberg. We have strong momentum heading into 2022, and we will build upon it throughout the year. We are putting the final touches on some exciting changes for the Dealer network that are designed to reflect the behavior and desires of the modern Dealer, and of those most likely to become a Dealer. We'll be introducing these updates soon. I strongly believe the work we are doing now will amplify our growth and improve business for all Dealers. I can't wait to unveil it to you all.

Han Hanatiyo Alan Amatuzio President & CEO



# POWERFUL PROTECTION WITH A SLED WARRANTY TO MATCH

Don't let the snowmobile manufacturer dictate which oil you use.

Choose the superior protection provided by AMSOIL INTERCEPTOR® for your new, current-model-year or newer sled and we'll back you with our Runs on Freedom Limited Snowmobile Warranty that covers engine repairs for up to two years/5,000 miles/8,000 km.\*



\*Get the details and sign up at AMSOIL.com/rofwarranty.

### **LETTERS TO THE EDITOR**

#### **COMMISSION CREDITS**

I have been an AMSOIL Dealer for so long I can remember back to when the commission credits for some products were 70% or more of the cost of that product. Now I am seeing where the commission credits offered on some products are less than half the cost. With every price increase the commission credit percentage of the cost goes lower and lower, which means we have to order and sell more product to earn the same commissions as we did years ago. However, with each price increase, I am seeing customers make adjustments in their purchasing habits, like purchasing another brand of oil filter offering 20,000mile service instead of the AMSOIL filter which costs twice as much, making them harder to sell. Why are the commission credits not keeping pace with the cost of product on a percentage basis?

Thank you,

#### **Erroll Ivery**

AMSOIL: Thank you for sharing your concern, Erroll. Commission credits are not a fixed percentage of product price. If they were, prices would have to increase even more whenever there's a price increase, making AMSOIL products less competitive and harder to sell. Although commission credits are not fixed to product price, they have traditionally increased when prices increase, resulting in higher earnings for Dealers. In addition, the requirements to earn higher commission percentages have not changed for decades, allowing Dealers to earn more because a lower volume is required to qualify at higher percentages on the Commission Schedule - you have to sell far fewer cases of oil to make Direct Jobber than you did years ago. The compound effect is AMSOIL products remain competitively priced and Dealers earn more. This helps offset some of the difficulties related to price increases. At the end of the day, in order to earn more commissions, the keys have always been to generate more new customers, increase sales to existing customers and sponsor/train Dealers who build their own successful Dealerships.

#### **TELEPHONE ORDERING HOURS**

I have been a Dealer for about 16 years. Sixteen years ago, I paid attention to

telephone ordering because I knew that corporate closed early (at least for us in the west). Fast forward to now. Nothing changed except more people, more cars, more equipment and better technology. Several times I have tried to place an order before corporate closes. I have called by 4:00 or 4:30 (Pacific Time) only to be put on hold for, the last time, 11 minutes and 10 seconds. Why is this still an issue? Just because everyone in the Midwest closes its doors and runs home at 5 p.m. doesn't mean the rest of the world closes too.

Before you suggest using the online or fax ordering, I do use online ordering when I don't care if I get the order in five days. But most of the time I need the order within two days; the only way that happens is when I talk to someone and the order is instantly processed. Otherwise, it takes two or more hours to process and ends up getting processed sometime later, which could be the next day if I order late.

I know I am not the only one frustrated with this because I have other accounts call me to complain. I wonder how many of my catalogs I have placed out only to have a potential customer call at 5 or 5:30 Pacific Time and be told to call back during business hours. This means getting out of bed at 5 a.m. to be sure to get someone during business hours. So, they may think, "I'll just call on Saturday." That's not an option either. I will say I am not a bean counter and don't have the complete company picture, but maybe the extra revenue generated by having the ordering lines open longer would pay the salary and benefits for having the extra staff.

I am not one to put someone out in Wisconsin and force them to stay up to maybe 10 or 11, so maybe one or two positions in the Las Vegas Distribution Center and in Portland or Anchorage? I would really like to see 24/7 telephone ordering, but that is just crazy dreaming at this point.

Well, thanks for letting me vent. Fantastic job everyone, especially those behind the scenes making sure I get my order as quickly as possible.

#### Mike Anderson

AMSOIL: Thank you for your letter and all your efforts over the past 16 years, Mike. First, we apologize for your experience. Please know that we do not want anyone to wait on hold for any amount of time, let alone 11 minutes. We have faced some staffing struggles lately and we are working hard to rectify the issue to prevent you and others from waiting on hold. We are open until 7 p.m. Central now to better serve our Dealers, customers and accounts in the West, and we are considering additional improvements to better serve you and others in your region. We do want to highlight that online orders are processed automatically, and ordering online is just as fast as ordering by phone. In fact, ordering online after business hours and on weekends results in even faster service because orders are at the top of the list for picking, packing and shipping at the beginning of the next business day.

#### **LAWN MOWERS**

I have talked to some grass-cutting guys and service centers that sell and service mowers. They are all using the Kawasaki\* synthetic-blend oil. They were shown some testing of the Kawasaki oil and liked its lower cost (\$4.50 qt). Could we possibly get some comparison testing of both oils for extended drains? Even after telling them about the Small-Engine Oil's 200-hour drain interval I did not make any sales.

Thanks.

#### **David Robertson**

AMSOIL: Thanks for your suggestion, David. We will take it under consideration. In the meantime, we suggest opening with the benefits presented by SABER® Professional Synthetic 2-Stroke Oil. If you show how it can improve their operation, they may be more likely to give it a try. After they experience the benefits, they will be more open to trying other AMSOIL products.

> Email letters to: letters@amsoil.com

Or, mail them to: AMSOIL INC. **Communications Department** Attn: Letters 925 Tower Avenue Superior, WI 54880

Letters are subject to editing for length and clarity; please include your name, address and phone number. Unsigned letters will not be published.





#### Modern sleds raise the bar for snowmobile oil performance

AMSOIL products help maintain the connection between sled and rider.

Len Groom | MARKET MANAGER, POWERSPORTS & POWER EQUIPMENT

Visit the Polaris,\* Ski-Doo\* or Arctic Cat\* website and I bet you'll see a shot of their latest sled carving up a mountainside with a headline that reads something like, "Our Most Powerful Sled Ever." With each new model year, engineers find a way to coax a couple more horsepower out of their engines.

The cumulative effect is that today's sleds produce more power than some cars on the road. A typical 850 cc two-stroke snowmobile engine, like the Rotax\* E-TEC\* available in Ski-Doo sleds or the Polaris 850 Patriot.\* makes about 165 horsepower. That'll whip your helmet back.

Four-stroke snowmobile engines are even more impressive. Ski-Doo's Rotax 900 ACE Turbo R produces 180 hp. If that isn't enough to satisfy your power cravings, the Arctic Cat C-TEC4\* turbocharged 998 cc engine used in the ZR 9000 Thundercat\* puts down more than 200 hp, making it the fastest production snowmobile, according to Arctic Cat.

For perspective, consider that the 1.8L engine found in a 2022 Toyota\* Corolla\* produces just 139 hp. But, what good is all that power if the oil can't handle it?

No rider who drops close to \$20,000 on a new sled wants it to lose power due to stuck piston rings or balky exhaust power valves. The emotional connection between sled and rider offers a great entry point when talking to prospects about AMSOIL synthetic snowmobile oil.

Oil can be the weak link that breaks that connection. Engines rarely blow up in a catastrophic fireworks display due to low-quality oil. Instead, an oil's poor performance works slowly and

insidiously. Increased heat and pressure can lead to piston scuffing and deposits in the piston-ring lands, on the spark plugs and on the exhaust power valves in two-stroke engines. Stuck rings allow pressurized gases to escape the combustion chamber, reducing power.

In two-strokes, exhaust-powervalve deposits can cause the valves to stick, which reduces throttle response at low rpm and limits top-end power.

When formulating AMSOIL synthetic snowmobile oils, we consider the toughest conditions of today's most powerful sleds and tailor them to exceed requirements. For twostroke sleds, INTERCEPTOR® Synthetic 2-Stroke Oil (AIT) is our best overall oil. Its synthetic base oils provide excellent lubricity, which means it provides excellent protection against piston scuffing and wear.

Its clean-burning base oils and powerful high-temperature detergents fight power-robbing deposits. Maintaining cleanliness maximizes the life and functionality of pistons, rings, power valves and other components. This helps riders get the most power out of their sleds while reducing maintenance.

Check out INTERCEPTOR's performance in a rental sled abused in the Canadian Rockies for an entire riding season. Share our testing video on social media and your website. Find it at YouTube.com/AMSOILINC by searching "Grizzly Lodge."

INTERCEPTOR performs so well, we back it with our Runs on Freedom®



Limited Snowmobile Warranty. It covers repairs in current-model-year and newer sleds that use INTERCEPTOR exclusively for up to two years or 5,000 miles/8.000 km, whichever comes first. For details, visit AMSOIL.com/ rofwarranty (AMSOIL.ca/rofwarranty in Canada).

In four-stroke sleds, we offer AMSOIL Formula 4-Stroke® Powersports Synthetic Motor Oil (AFF). It provides exceptional wear protection, engine cleanliness and cold-flow to protect powerful four-stroke sleds. It's also anti-rust fortified for protection during storage. By fighting wear, it maximizes engine compression to help preserve all that horsepower riders crave.

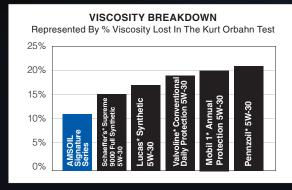
No matter the sled, we make an AMSOIL synthetic snowmobile oil that provides exceptional protection. Use this to your advantage this winter to sell more oil.

# AMSOIL VS. THE COMPETI

Industry testing shows how AMSOIL motor oil stacks up against competitors like Mobil 1.\* The results speak for themselves.

#### Signature Series Fights Viscosity Breakdown

AMSOIL fights viscosity breakdown better than the competition, o providing superior protection of pistons, cams and bearings.



ependent testing of Mobil 1 Annual Protection Full Synthetic 5W-30, Schaeffer's Supreme 90 ynthetic 5W-30, Vabioline Conventional Daily Protection 5W-30, Pennzoil 5W-30 and AMSOI Signature Series 5W-30 in the Kurl Orbahn test. Oils purchased on 05/03/18.

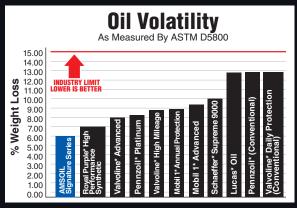
#### SHEAR RESISTENCE

Shear (often called mechanical shear) occurs when one layer of oil moves in the opposite direction of another layer of the same oil. One example occurs between the piston and cylinder wall. These two oil films move in opposite directions under intense heat and pressure. This scenario can shear, or tear apart, the molecules of viscosity-improver additives, which are used to extend the viscosity range of the base oil. If the oil loses viscosity due to shear, it can fail to provide the required level of wear protection. Think of the force transferred through the piston, rod and crank to the thin oil film protecting the bearing. There's not much room for error.

AMSOIL uses naturally shear-resistant base oils combined with top-tier, shear-stable viscosity improvers. AMSOIL synthetic motor oil withstands extreme heat and shearing forces, exceeding industry standards and outperforming competing brands. In fact, Signature Series fights viscosity breakdown 46% better than Mobil 1. It stands up to the devastating effects of high-horsepower, modern engines for maximum protection.

#### **Signature Series Helps Keep Valves Clean**

AMSOIL fights volatility 38% better than Mobil 1\* and 17% better than Royal Purple, \* helping reduce oil consumption and keep valves clean.



#### **COMBATING VOLATILITY**

Signature Series also does a better job resisting volatility, which refers to an oil's tendency to evaporate in the presence of extreme heat. Powerful forced-induction engines modified to shred the pavement make intense heat, which can cause inferior oils to break down, creating harmful engine deposits that reduce performance.

Here again, AMSOIL comes out on top, fighting volatility 38% better than Mobil 1.

#### **AMSOIL Helps Keep Engines Cleaner**

AMSOIL Signature Series is fortified with a heavy treatment of detergent additives, delivering 28% more acid-neutralizing power than Mobil 1 and helping engines stay cleaner, longer.LL

\*\*Based upon independent testing of Mobil 1 Annual Protection Full Synthetic 5W-30 and AMSOIL Signature Series 5W-30 in ASTM D2896. Oils purchased July 2020.

#### **ENGINE CLEANLINESS**

A clean engine is a more efficient, longer-lasting engine. An oil's total base number (TBN) is a measure of its ability to neutralize harmful acids that lead to engine deposits. When we pit AMSOIL against Mobil 1 in TBN testing, AMSOIL delivers 28% more acid-neutralizing power to help your engine stay cleaner, longer.

For the best engine protection, the results are clear: AMSOIL comes out on top.



# KEEPING IT CLEAR

The Federal Trade Commission has set regulations regarding the use of product and opportunity claims for businesses. As a Dealer, it's important to follow these guidelines to help protect the AMSOIL brand and opportunity.

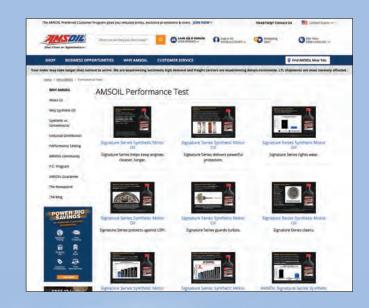
#### Remember...

#### **Don't Misrepresent The Brand/Products**

- AMSOIL products have the performance testing to back them up, and we encourage Dealers to share these results to demonstrate the outstanding quality of our products.
- The performance claims published by AMSOIL INC. have been through thorough engineering and legal review. Be sure to only use official product claims published directly by AMSOIL INC.
- For a variety of reasons, claims expire after a period of time. Check that you're using the most up-to-date information by visiting AMSOIL.com/performance-tests/, and watch the Dealer Zone for announcements when claims are discontinued.

#### **Don't Misrepresent The Dealer Opportunity**

- Some people become Dealers to sell AMSOIL products to friends and family. Others become Dealers to supplement their primary income, and some even make their Dealership into a full-time job. An AMSOIL Dealership can be whatever you make it.
- There are no set income guarantees with an AMSOIL Dealership. The amount a Dealer earns depends on how hard he or she works the Dealership. Most successful Dealers are investing a lot of time and effort to achieve that success. It's not a get-rich-quick scheme.
- Be clear about how the Dealer opportunity works when engaging with prospective new Dealers, and don't make any promises that can't be guaranteed. Direct prospects to joinAMSOIL.com for details about the Dealer opportunity and use approved literature and brochures published by AMSOIL to provide more information.





- or hired for, has purchased, or otherwise is engaging in the money-making opportunity).

   It is an unfair or deceptive trade practice to misrepresent, explicitly or implicitly, that participants do not need experience
- It is an unfair or deceptive trade practice to misrepresent, explicitly or implicitly, that purchasing a money-making opportunity is risk-free or involves little risk.
- Federal Trade Commission Act, Sec. 5(A)(1)

"In determining whether an earnings representation is likely to mislead consumers, courts consider the overall "net impression" it creates. Claims of "potential" earnings imply that such earnings are representative of what the typical participant achieves. Before making such a claim regarding potential earnings, (e.g., via the testimonial of a well-paid member), the advertiser must possess adequate substantiation that the experience described is representative of what participants will generally achieve."

- U.S. Federal Trade Commission

in order to earn income.

### 

# ASK AMSOIL

# WHAT IS FUEL DILUTION (AND WHY IS IT BAD)?

Fuel dilution occurs when gasoline or diesel fuel infiltrates your engine's crankcase and dilutes, or "waters down," the motor oil. Technically, "oil dilution" is a more fitting term, but "fuel dilution" is industry-standard terminology.

#### What causes fuel dilution?

Several factors can lead to fuel dilution:

- · Dirty or leaking fuel injectors
- · Excessive idle time
- Incomplete combustion
- Low engine temperatures
- Frequent short trips
- Worn piston rings/excessive blow-by

#### **Applications prone to fuel dilution**

Police fleets, fire trucks and other emergency vehicles are especially prone to fuel dilution. Common conditions include short bursts of driving and long periods of idling. Vehicles allowed to idle for long periods of time, like when warming the interior on a cold winter morning, are susceptible to fuel dilution.

Urban delivery trucks can suffer from fuel dilution given the constant stopand-go conditions that prevent the oil from warming enough to evaporate any accumulated fuel.

Gasoline direct injection (GDI) can be another cause. GDI technology locates the fuel injectors directly in the cylinder as opposed to the manifold. This arrangement allows for greater control over the injection event, allowing engineers to fine-tune engines for greater efficiency and power.

One side effect, however, is fuel dilution. As fuel is sprayed into the combustion chamber, it can wash past the piston rings and down the cylinder walls into the oil sump.

#### How much is too much?

In a perfect world, we prefer no fuel mixes with the motor oil. But life has a way of interfering with perfection. With that in mind, the following cautionary limits are acceptable provided motor oil viscosity has not significantly changed. Fuel dilution that surpasses these guidelines requires attention:

- Up to 2.4% in gas engines
- Up to 3.4% in diesel engines

#### **Fuel Dilution:**

The process of gasoline or diesel fuel infiltrating the crankcase and "watering down," or diluting, the motor oil.

#### Why is fuel dilution a problem?

- · Fuel dilution reduces oil viscosity, which interferes with the formation of a durable lubricating film, inviting wear. It also negatively affects the oil's ability to function as a hydraulic fluid, which is critical in engines with variable valve
- Fuel can wash oil from the cylinder wall, causing higher rates of ring, piston and cylinder wear.
- Reduced effectiveness of detergency additives limits the oil's ability to guard against deposits.
- Increased oil volatility results in higher oil consumption, requiring more frequent top-offs.
- Accelerated oxidation reduces the oil's service life and requires more frequent oil changes.

#### What if I suspect fuel dilution?

First, ensure there's really a problem. Although it's possible to smell fuel in a motor oil sample, oil analysis is the most accurate method of determining the severity of fuel dilution. If the oil analysis report reveals abnormal fuel dilution, the next step is to determine the cause.

There's an old adage when troubleshooting: start with the easiest and least expensive fix. In this case, try a fuel-system cleaner, such as P.i.® Performance Improver (API) or Diesel Injector Clean (ADFP).

Sometimes a piece of debris can lodge in an injector tip and prevent it from closing, allowing fuel to trickle into the cylinder and wash into the crankcase. A fuel-system cleaner may be all that's required to solve the problem.

If that doesn't work, a bad injector could be at fault, meaning it's likely time to visit a mechanic.

Preventing fuel dilution is best. But these limits are acceptable provided oil viscosity hasn't significantly changed:

> 2.4% GAS **3.4% DIESEL**



# Oil Analyzers

Oil analysis is the best way to identify fuel dilution before it spirals into a problem. Oil Analyzers Inc. offers cost-effective, fast testing. Find out more at oaitesting.com.

#### **Adjust driving conditions**

Sometimes, driving conditions are to blame for fuel dilution. In this case, there isn't much you can do except change how you drive, if possible.

- Reduce idling time as much as possible.
- Mix in longer trips to ensure the engine reaches operating temperature for several minutes
- Use a high-quality oil that resists wear.

This is where you can step in to help your customers protect against the negative effects of fuel dilution.

Using a high-quality synthetic motor oil protects against wear. Although oil film thickness is related to viscosity – and excessive fuel dilution reduces viscosity regardless of oil quality – film strength is a function of base oil and additive quality. AMSOIL synthetic motor oils use top-grade base oils and additives to help protect components from wear.

Encourage motorists to use AMSOIL synthetic motor oil to maximize engine life if they suspect fuel dilution. Suggest they draw an oil sample and have it analyzed through Oil Analyzers to precisely identify the scope of the problem. It's a great way to provide a value-added service. Get more information at oaitesting.com.

Finally, change oil according to the proper recommendations. Vehicles prone to fuel dilution typically operate under severe service, so follow the severe-service guidelines in the owner's manual or on the motor oil label.



### **ENGINE OPERATION BASICS**

## PART 1: COMBUSTION AND COMPONENTS

The job of the engine is to transform fuel into energy. In internal combustion engines, energy is created by burning a fuel-air mixture under pressure inside the cylinder, and it's converted into movement by the engine's pistons, connecting rods and crankshaft. However, the design and function of components varies depending on the primary purpose of the vehicle, fuel type and other considerations. Let's start with the basics of combustion and engine design.

#### Four functions of combustion

Engines must perform four essential functions to operate properly and efficiently: intake, compression, power and exhaust. The intake function involves drawing a mixture of air and fuel into the combustion chamber. The compression function compresses the mixture. The power function involves igniting the mixture and harnessing the power of that reaction. The exhaust function expels the burned gases from the engine.

#### Piston and piston rings

The piston moves up and down, or reciprocates, inside the engine's cylinder. In doing so, it helps complete the four functions of combustion, creating a vacuum that draws the fuel-air mixture into the combustion chamber (intake). compressing the mixture (compression), igniting it (power) and expelling the burned byproducts (exhaust).

The area above the piston is referred to as the cylinder or combustion chamber. Air and fuel are compressed and ignited in the cylinder. Piston rings below the piston crown form a seal against the cylinder walls to prevent fuel from leaking out of the combustion chamber and help prevent most of the combustion byproducts from leaking past the piston rings and contaminating the oil in the crankcase. The piston rings also help cool the piston by dispersing oil along the cylinder wall and transferring heat.

#### Connecting rods and wrist pins

Connecting rods connect the piston to the crankshaft. A wrist pin is used to attach the piston to the connecting rod, allowing them to pivot as they reciprocate. Both the undercrown and wrist pin are exposed to extreme stress as they bear the force from the reciprocating pistons, most notably when the piston is driven down by the force of combustion.

#### Crankshaft

The crankshaft converts the pistons' reciprocating action into rotary movement that is transferred to the transmission. In a typical consumer vehicle, the crankshaft is attached to the transmission via clutch (manual) or torque converter (automatic). In a lawnmower, the crankshaft is attached directly to the cutting blades.

Seals at the ends of the crankshaft prevent oil from leaking out of the engine. Seals in two-stroke engines have the added challenge of operating under the forces of positive and negative pressure created by the reciprocating piston. Four-stroke engine seals do not operate under such pressure.

#### **ENGINE BLOCK DESIGNS**

#### Inline engine

Inline engines arrange pistons in a single row. The inline engine block is a common layout found in various automotive and powersports applications, including snowmobiles, personal watercraft and motorcycles.

#### V-style engine

V-style engines have two rows of cylinders offset from each other so that they form a V shape. The v-style engine is a common automotive engine design. The large-bore motorcycle market also commonly uses this design.

#### Opposed engine

Cylinders lie flat and are arranged perpendicular to either side of the crankshaft in opposed engines. Porsche\* and Subaru\* use the opposed engine block design in automotive applications, while Kohler\* and Briggs & Stratton\* are well-known for using opposed engines in lawnmower applications.

#### Rotary engine

Known as the Wankel engine, rotary engines use a triangular rotor instead of pistons to produce power. Triangular rotors rotate inside a specialized chamber; one cycle consists of intake,

compression, power and exhaust functions. Because power comes from the revolving rotor instead of the reciprocating pistons, it operates smoothly with very little vibration. The rotary engine is found mainly in automobile applications, including the Mazda\* RX7 and RX8.



**Engines must** perform four essential functions to operate properly and efficiently: intake, compression, power and exhaust

#### **Bearings**

The engine's main bearings support the crankshaft. Depending on the engine design, roller bearings or plain bearings may be used.

Roller bearings (anti-friction bearings) are used in two-stroke applications because a dedicated lubricant source is not available. Roller bearings contain moving elements and may also be referred to as roller-element bearings.

Plain bearings are fixed, non-moving bearings that provide support to the rotating crankshaft in four-stroke applications. They are designed to provide low-friction resistance and require a dedicated, pressurized lubrication source to provide an adequate fluid barrier between metal components.



#### Valvetrain and valve timing

The engine's valvetrain is responsible for opening and closing the cylinder valves at the correct time during the combustion process. It consists of valves, valvespring assemblies, camshaft(s), lifters, push rods and rocker arms.

The valves are used to either deliver the fuel-air mixture to the cylinder or allow



exhaust gases to escape. Older vehicles used one valve for each function: however, newer vehicles use as many as two intake and two exhaust valves per cylinder.

The intake valve delivers the fuel-air mixture into the combustion chamber. The exhaust valve releases the exhaust gases from the cylinder.

Each valve has a valve seal that is responsible for keeping oil out of the combustion chamber. Valve seals that malfunction can cause oil to enter the cylinder and burn during combustion, resulting in excess oil consumption.

#### Camshaft

The camshaft contains eccentrics and journals that control valve timing. Eccentrics are mechanical lobes that transfer reciprocating motion between mechanical components. Each eccentric controls one valve. For example, a fourcylinder engine that has two valves per cylinder will use a camshaft with eight eccentrics.

The shape of the eccentrics controls the finely tuned movement and timing of the valvetrain, including how far the valves lift, how long they stay lifted and when these movements occur relative to the position of the pistons.

The two main types of camshafts are flat-tappet and roller. The tappet, or lifter, on the flat-tappet camshaft is flat, and requires oil to separate its surface from the cam lobe. Flat-tappet camshafts produce high friction and high temperatures because the surfaces rapidly slide against each other. The oil film is the only barrier that prevents the lifter and the cam lobe from welding together.

Friction between the two components can eventually wear the flat-tappet cam down and affect valve operation. Engine power and efficiency will decline if the flat-tappet cams cannot lift the valves enough to adequately charge the chamber for ignition or release exhaust fumes.

The roller camshaft uses wheels, or rollers, to reduce tappet wear. The rolling element reduces virtually all friction between the tappet and cam lobe, helping extend camshaft life. Roller camshafts are generally preferred to flat-tappet camshafts because they significantly reduce wear and can enhance engine performance.

To be continued. Next time we will take a deeper dive into gasoline and diesel four-stroke and two-stroke engine designs.

# Toyota\* Tacoma\* Nears 635,000 Miles With AMSOIL

Few Floridians know the state's turnpikes and highways better than Gary Smith of Orlando. The retired auto-parts courier canvassed much of the state during his career, driving from Jacksonville to Pensacola to Miami and most places in between. In fact, with the help of AMSOIL products, he's put nearly 635,000 miles (1,022,000 km) and counting on his 2011 Toyota Tacoma, with no oil-related problems.

#### "You have to see this!"

Smith recently took the truck to Fuller's Automotive, in Orlando, to repair a leaking spark-plug-tube seal that had begun allowing oil into the spark-plug hole. When Jim Fuller, who owned the shop from its 1976 inception until he recently sold it, removed the valve cover, he couldn't believe the cleanliness of the engine and knew he had to show Smith.

"That's why I got my camera out and started taking pictures," he said. "I said, 'You have to see this; no one will believe it."

#### Virtually no deposits or wear

As the images show, the valvetrain area is clean and void of any signs of deposits or heavy varnish, which you'd expect to see in an engine with so many miles. The common wear points, like the camshaft, timing chain and sprockets, show virtually no wear.

Gary Smith, of Orlando, Fla., is aiming for 1 million miles on his Tacoma.

"If you look closely at those cam lobes, there's hardly any sign of wear," said Fuller. "Usually, you have a distinct wear line on the lobes after that many miles, but I didn't see that there." The condition of the timing chain and sprockets also impressed the longtime mechanic. "If you take a close-up view of those sprockets, you can see there are no pointed tips on them," he said. "Chains wear quicker than about anything in there."

#### XL Synthetic Motor Oil since day one

Smith has been servicing his Tacoma at Fuller's Automotive since he bought it new in 2011. He started using AMSOIL XL 0W-20 Synthetic Motor Oil (XLZ) with the first oil change and hasn't looked back. He changes oil about every 7,500 miles (12,000 km).

Unfortunately, an accident involving his previous truck forced him to buy the Tacoma. His original truck at that time had 450,000 miles (724,200 km) on it and also used AMSOIL synthetic motor oil. "I was really unhappy because I wanted to get a lot of miles out of it," said Smith, who has his sights set on 1 million miles (1.6 million km) with his Tacoma.

"Usually, you have a distinct wear line on the lobes after that many miles, but I didn't see that there."

#### On the road again...and again

Smith began delivering auto parts to transmission shops around Orlando in 2005. As he proved himself, his area expanded until he was driving roughly 600 miles each day, five days per week. "I drove night runs," he said. "I used to drive to Miami, Tallahassee, everywhere. There was less traffic on the road [driving at night].

"I haven't had any problems at all, oil-related," he said. "It's always run very, very nicely. It sounded good. It drove good. It still does to this day; it's in great shape."

Following his 2018 retirement, Smith no longer drives as much as he used to, but he still loves to get behind the wheel and hit the road whenever he can.

#### **AMSOIL** for life

"I'm very proud of the mileage and that I've taken so good care of it," said Smith. And a big part of that has been thanks to AMSOIL XL Synthetic Motor Oil and the excellent service Jim Fuller, who's been an AMSOIL Dealer since the 1980s, has provided all these years.

"That's the best oil you can get," Smith said. "Every time I drive my truck, there's that little sticker up in the window, and it tells me when I need an oil change. I look at that number and I look at the mileage, and I know when I get the oil changed, everything is going to be good – AMSOIL is the best."













### MONTHLY LEADERS

The AMSOIL Dealer Hall of Fame, full AMSOIL business category descriptions and top 20 monthly leaders can be found under the Recognition menu in the Dealer Zone.



Jason & Julianne Wynne Ohio 12-STAR REGENCY PLATINUM DIRECT JOBBERS FIRST Total Organization New Qualified Customers



Dave M. Mann Michigan 12-STAR REGENCY PLATINUM DIRECT JOBBER SECOND Total Organization FIRST Personal Group Sales FOURTH Commercial Account Sales SEVENTH New Qualified Customers **THIRD** 

New Customer Sales



Joseph & Curri Seifert Ohio 9-STAR REGENCY PLATINUM DIRECT JOBBERS THIRD Total Organization SECOND Personal Group Sales THIRD New Qualified Customers

New Customer Sales

FIRST



Tom & Sheila Shalin Georgia 6-STAR REGENCY PLATINUM DIRECT JOBBERS SEVENTH Total Organization SEVENTH Personal Group Sales TENTH New Customer Sales



Ches & Natasha Cain South Dakota 4-STAR REGENCY PLATINUM DIRECT JOBBERS EIGHTH Total Organization SIXTH Personal Group Sales



Sherree E. Schell Idaho 4-STAR REGENCY PLATINUM DIRECT JOBBER NINTH **Total Organization** EIGHTH Personal Group Sales



David B. Richardson Ohio MASTER DIRECT JOBBER **THIRD** Commercial Account Sales



**Merv Nolt** Ohio DIRECT JOBBER FIFTH Commercial Account Sales



Valon Sapp Texas **DIRECT JOBBER EIGHTH** Commercial Account Sales



**Thomas Weiss** North Dakota REGENCY PLATINUM DIRECT **SECOND** Retail Account Sales



**Daniel & Judy** Watson Florida 2-STAR REGENCY PLATINUM DIRECT JOBBERS THIRD Retail Account Sales



John & Dianne Moldowan Alberta REGENCY PLATINUM DIRECT JOBBERS **FOURTH** Retail Account Sales



Lee Stouse Michigan 2-STAR REGENCY PLATINUM DIRECT JOBBER **EIGHTH** Retail Account Sales



James E. Gates Florida **EXECUTIVE DIRECT JOBBER** NINTH Retail Account Sales



Vijay Parany British Columbia 3-STAR REGENCY PLATINUM DIRECT JOBBER TENTH Retail Account Sales



**Bill & Donna Durand** Wisconsin 7-STAR REGENCY PLATINUM DIRECT JOBBERS FOURTH Total Organization FIFTH Personal Group Sales



Carol H. Bell Texas 5-STAR REGENCY PLATINUM DIRECT JOBBER **FIFTH** Total Organization NINTH Personal Group Sales SEVENTH Commercial Account Sales



**Bob Wynne** Ohio 7-STAR REGENCY PLATINUM DIRECT JOBBER SIXTH Total Organization **FOURTH** Personal Group Sales New Customer Sales



George & Shirley Douglas Tennessee 4-STAR REGENCY PLATINUM **DIRECT JOBBERS** TENTH Total Organization **TENTH** Personal Group Sales



**Payton Zierolf** Wyoming 1-STAR REGENCY PLATINUM DIRECT JOBBER **FIRST** Commercial Account Sales



Rekha Kapadia Alberta DIRECT DEALER SECOND Commercial Account Sales



John O. Brown Arizona DIRECT JOBBER NINTH Commercial Account Sales



Michael H. Ellis Michigan 5-STAR REGENCY PLATINUM DIRECT JOBBER TENTH Commercial Account Sales



Ray & Kathy Yaeger Wisconsin 5-STAR REGENCY PLATINUM DIRECT JOBBERS **FIRST** Retail Account Sales



Greg & Joan Ann Desrosiers Alberta 3-STAR REGENCY PLATINUM DIRECT JOBBERS FIFTH Retail Account Sales



David G. Douglas Michigan MASTER DIRECT JOBBER SIXTH Retail Account Sales



Larry L. Crider Texas REGENCY PLATINUM DIRECT JOBBER **SEVENTH** Retail Account Sales



Justin Peszko Virginia 1-STAR REGENCY PLATINUM DIRECT JOBBER SECOND New Qualified Customers FOURTH New Customer Sales



Steffan & Allison Peszko North Carolina REGENCY DIRECT JOBBERS **FOURTH** New Qualified Customers **EIGHTH** New Customer Sales



Joe & Katie Reinhardt Minnesota EXECUTIVE DIRECT New Qualified Customers



### MONTHLY LEADERS

The AMSOIL Dealer Hall of Fame, full AMSOIL business category descriptions and top 20 monthly leaders can be found under the Recognition menu in the Dealer Zone.



Nathan B. Peszko & **Lindsay Phelps** Virginia EXECUTIVE DIRECT **JOBBERS** SIXTH **New Qualified Customers** 



**Aaron Gauthier** Maine MASTER DIRECT JOBBER **EIGHTH** New Qualified Customers



**Eben Rockmaker** Nevada REGENCY GOLD DIRECT JORRER NINTH New Qualified Customers SIXTH New Customer Sales



Marcus & Amy Bradley Ohio EXECUTIVE DIRECT JOBBERS TENTH New Qualified Customers



**Ashley Carte** Ohio 1-STAR REGENCY PLATINUM DIRECT JOBBER **SEVENTH** New Customer Sales



Eric & Valerie Johnson Virginia REGENCY PLATINUM DIRECT JOBBERS NINTH New Customer Sales



Steffan & Allison Peszko North Carolina REGENCY DIRECT JOBBERS



**Aaron Gauthier** Maine MASTER DIRECT JOBBER



Marcus & Amy **Bradley** EXECUTIVE DIRECT JOBBERS



**David Halama** Wisconsin **EXECUTIVE DIRECT** 



Paul & Myrna Hill Oregon **EXECUTIVE DIRECT** JOBBERS



Phillip Freeman Virginia **EXECUTIVE DIRECT** JOBBER



Joe & Katie Reinhardt Minnesota EXECUTIVE DIRECT JOBBERS



**Brett & Janice** Hallinan Idaho **DIRECT JOBBERS** Sponsors: Keith & Eileen Wilson





**Phil & Mary Thomson** California DIRECT JOBBERS Sponsors: Sammy & Adrienne Samuelson **Direct Jobbers:** Sammy & Adrienne

Samuelson



# WHY BUY AMSOIL Synthetic Diesel Oil?

DO YOU WANT EXTRA ENGINE PROTECTION?



Independent testing shows AMSOIL Heavy-Duty Synthetic Diesel Oil delivers 4X more protection against wear.¹ For even greater protection, Signature Series Max-Duty Synthetic Diesel Oil provides 6X more protection against wear.²

DO YOU TOW OR HAUL?



Signature Series Max-Duty delivers up to **60% better turbo cleanliness**,<sup>3</sup> effectively withstanding the extra demands you place on the turbo when hauling heavy loads or updating the tune for maximum horsepower.

DO YOU STORE YOUR VEHICLES OR EQUIPMENT?



Signature Series Max-Duty provides up to 2X better rust protection.4

DO YOU DRIVE IN HOT TEMPERATURES?



AMSOIL synthetic diesel oils retain their protective viscosities for added engine protection in extreme temperature conditions.

DO YOU DRIVE IN COLD TEMPERATURES?



AMSOIL synthetic diesel oils stay fluid in sub-zero temperatures for easier starting, improved oil flow and reduced wear.

Signature Series 0W-40 has a broad viscosity range that offers **4X better** cold-cranking ability than a 15W-40.

DO YOU OWN A HIGH-MILEAGE VEHICLE?



Heavy-Duty Synthetic Diesel Oil provides up to **66% less** oil consumption, while Signature Series Max-Duty provides up to **76% less** oil consumption.<sup>5</sup>

<sup>1</sup>Based on independent testing in the Detroit Diesel DD13 Scuffing Test for specification DFS 93K222 using 10W-30 as worst-case representation. <sup>2</sup>Based on independent testing in the Detroit Diesel DD13 Scuffing Test for specification DFS 93K222 using 5W-30 as worst-case representation. <sup>2</sup>Based on specification standards of CAT C13 2nd Ring Top Land Carbon testing. <sup>4</sup>Based on industry standard testing using the NMMA FC-W Rust Test. <sup>5</sup>Than required by the API CK-4 standard in the Caterpillar-1N oil consumption test.





DIESEL OIL
TURBO TRUCK

**HEAVY-DUTY PROTECTION** 

SAE 5W-40

More Wear Protection

1 U.S. GALLON • 3.78 LITERS

#### **January Close-Out**

The last day to process January orders in the U.S. and Canada is the close of business on Monday, Jan. 31. Individual telephone and walk-in orders will be processed if initiated by the close of business. Internet and fax orders will be accepted until 3 p.m. Central Time on that day. All orders received after these times will be processed for the following month. Volume transfers for January business will be accepted until 3 p.m. Central Time on Friday, Feb. 4. All transfers received after this time will be returned.

#### **Dealer Work Shirt**



#### "Property Of" Sweatshirt

Constructed of 50/50 cotton/ polyester blend.

#### Available while supplies last

Stock# G3694 S-XXX U.S. Price: 26.00 CAN Price:



#### **Account Discount and Co-op Reminders**

Don't forget to remind your commercial, retail and installer accounts about the great perks they can receive based on purchases they make throughout the year.

#### **Installer Discount Program**

Installer discounts are based on the amount they purchase during the calendar year. Discounts are activated as soon as cumulative purchases reach the minimum threshold, and that discount is guaranteed for the full following year (January – December). Each installer's 2022 discount will be based on the amount the installer purchased in 2021.

#### U.S. Annual Purchases **Discount**

\$3.500 - \$24.999.99 5% 10% \$25.000+

#### Canada Annual Purchases Discount

\$4,500 - \$29,999.99 5% \$30.000+ 10%

#### Retail Co-op Program

Retail accounts (non-installers) earn co-op credit that can be applied to the costs of qualified advertising, literature. merchandising and promotional items. Co-op credit is earned with every product purchase throughout the year. All credit is awarded at the beginning of January the following year and expires on Dec. 31. The more an account buys in a year, the greater the co-op percentage earned. Co-op credit is earned according to the following scale:

<b>Total Annual Purchases</b>	Percentage Earned in Co-op Credit
\$0 - \$7.499	3%

\$7.500 - \$24.999 4% 5% \$25,000 or more

#### **Commercial Discount Program**

Commercial accounts also earn discounts based on their annual purchases, and those discounts stay with them all year. At the beginning of each calendar year, an account's discount is locked in based on its purchases over the previous 12 months. Accounts that purchase enough to qualify for a higher discount level are granted that discount immediately, but accounts that fall out of qualification continue receiving their current discount rate for the remainder of the year.

#### **U.S. Annual Purchases Discount**

\$5,000 - \$9,999.99 5% 10% \$10,000+

#### Canada Annual Purchases Discount

6.000 - \$11.999.99 5% \$12,000+ 10%

#### **New Toronto Distribution Center**

The Toronto Distribution Center re-opened at its new location Wednesday, Dec. 29.

#### New address:

350 Traders Blvd E Mississauga, ON L4Z 1W7





# WINTER OFFERS THE PERFECT TIME TO APPROACH LANDSCAPERS

Professional landscapers make some of our best prospects. Across much of North America, business slows in the winter, marking the ideal time to approach landscapers and start a conversation about how AMSOIL products can help them maximize equipment life and profitability.

AMSOIL SABER® Professional Synthetic 2-Stroke Oil (ATP) is a great place to start. It offers a nearly immediate performance improvement in handheld two-stroke equipment, including string trimmers, chainsaws and backpack blowers. The SABER Handout (G3564) is an excellent sales tool for landscapers. It shows images of STIHL\* string trimmer parts following a 600-hour field trial with a professional landscaping company. SABER Professional prevented power-robbing carbon, helping the company extend trimmer life. Mixed at 100:1, SABER Professional also saved the company more than 50 percent on oil. Use the SABER Handout along with the Commercial Program Catalog (G3469, G3474

Can.) to start a conversation with prospects this winter. You may just land a new customer in time for spring landscaping season. View the Commercial Products Dealer Sales Brief in the Dealer Zone for insights on signing up landscapers and other commercial-account prospects.



#### **Commercial Program Catalog**

#### WHO'S IT FOR?

Current and prospective commercial accounts

- Contractors Over-the-road truckers Farmers/ranchers Fleets
- Landscapers Heavy-duty off-road equipment operators

#### WHAT PRICING DOES IT SHOW?

Wholesale cost

#### **U.S. Commercial Program Catalog**

Stock # Units		Pkq./Size	U.S. Dealer	
G3469	EA	1 U.S. catalog	0.90	
G3469	CA	100 U.S. catalogs	85.00	
G3469	PK	300 U.S. catalogs	240.00	

#### Can. Commercial Program Catalog

Stock #	Units	Pkg./Size	Can. Dealer
G3474	EA	1 Can. catalog	1.25
G3474	CA	100 Can. catalogs	114.00
G3474	PK	300 Can, catalogs	322.40

#### **SABER Handout**

The SABER Handout fits perfectly inside the Commercial Program Catalog or works great on its own.

Stock #	Units	Pkg./Size	U.S. Dealer	Can. Dealer
G3564	EA	10 handouts	2.00	2.70



#### New year, new goals

Evaluate and adjust your goals all year, not just when the calendar turns to January.

#### Brian Lammi | DEALER DEVELOPMENT MANAGER

The first of the year is the ideal time to evaluate your goals and ambitions for your Dealership. It's a natural point to reflect and make sure the goals you set last year still align with the direction you're heading now. Although we can't control everything, we can control how we adjust our aim when challenges arise.

Despite formidable obstacles during 2021, we witnessed prime opportunities for growth. For example, Dealers took advantage of new training and resources to help them secure and service more commercial accounts. And we saw healthy growth in the retail channel, particularly in powersports.

But markets continue to shift, meaning we must continually make sure the goals and adjustments made last year still fit the world today. Business moves and evolves at a faster pace than ever, so it's important to evaluate your goals throughout the year, not just at the turn of the calendar.

Here are some questions to consider as you evaluate your Dealership and set new goals:

- Are the goals you set last year still working? Have you paid attention to what's working with your Dealership and what's not? How can you ensure the continued growth of strong customers and accounts while applying those lessons to areas in need of improvement?
- Are you investing time in the right places? Has the business changed to where you should be spending more time in different areas? Investing your time in the right areas will help you

stay focused and primed for growth. We all know it would be easier if we could just keep doing the same thing all the time, but life changes and we need to keep pace.

- Is there something new you can learn to stay ahead of the curve? For instance, given the popularity of social media and digital marketing, maybe you need to learn more about these tools so you can take advantage of their growth potential. Is there Dealer Zone training you haven't completed that can help you gain knowledge in markets you haven't explored before?
- If you sponsor other Dealers, are you investing time in helping mentor and motivate them? Are you accessible to your sponsored Dealers and do you stay on top of questions they might have?

Setting and evaluating goals requires constant reflection on where you've been and where you're going while remaining aware of your current situation. The new year gives you a dedicated point to make sure you stop and look at these things, but make it a point to run through this exercise several times throughout the year.

There are some tried-and-true tactics to hold vourself accountable. Investing time and effort in evaluating your Dealership and setting goals provides little benefit if you've completely abandoned your plan by the end of January.

• Write down your goals. Use a pen and paper and hang them where you can see them each day, like on the

- refrigerator. If you prefer the digital realm, write them on a sticky note on your laptop and leave it open on your screen so you can always see them. Or make a list on your phone and return to it often.
- Be clear about the goal, the purpose and the desired outcome. That way, you have a fixed point to return to if you go off track. Adjusting your goals if something isn't working is also easier when you write them down. If you just try to store them in your memory, it's much easier to manipulate the goal to suit your needs at the moment rather than to serve your long-term well-being. It's human nature to do so.
- Finally, share your goals with a mentor or friend. Research shows that people who evaluate their goals, create actionable commitments and share their goals and progress with someone are 33% more likely to achieve their goals than someone who justs sets goals.

We wish you continued success in the new year and we're excited to see what it will bring. By constantly evaluating your progress this year, you can overcome the challenges before you and achieve your Dealership goals.





# **New 2022 Calendars Available Now**

Each month of the new 2022 AMSOIL calendar highlights a popular race series or motorsports event in which we're involved, such as Sturgis and the AMSOIL Championship Off-Road series.

Calendars personalized with your contact information are available from the AMSOIL Print Center in the Dealer Zone at my.AMSOIL.com by clicking the Print Center icon under Quick Links.

Non-personalized calendars are also available and may be personalized by adding your business card. Simply insert your business card in the slotted area and your contact info is visible for a full 12 months.

#### AMSOIL Print Center Pricing\* - Personalized

11 - 49 calendars \$3.27 each 50 - 99 calendars \$2.82 each 100 - 249 calendars \$2.45 each 250 - 499 calendars \$2.41 each \$2.08 each 500+ calendars

#### AMSOIL Pricing\*\* - Non-Personalized

Stock #	Qty.	U.S.	Can.
G1105-EA	1	1.75	2.46
G1105-CA	10	15.00	21.00

<sup>\*\*</sup>Calendars subject to shipping charges.

<sup>\*</sup>Free shipping in the U.S.



#### **CHANGE SERVICE REQUESTED**

Published 12 times annually

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ISO 9001/ISO 14001 REGISTERED









WE HONOR





(Discover in U.S. only)

Referral # 517071 **Main Street Oil** 20177 Main Street

> Lannon, Wisconsin, 53046 Phone: 262-853-7900 info@MainStreetOil.com www.MainStreetOil.com

Commercial and retail installer accounts are awarded their annual discounts this month, while retail accounts are awarded their co-op credit. Be sure to remind your accounts about the great perks they earned for last year's purchases.

AMSOIL.com

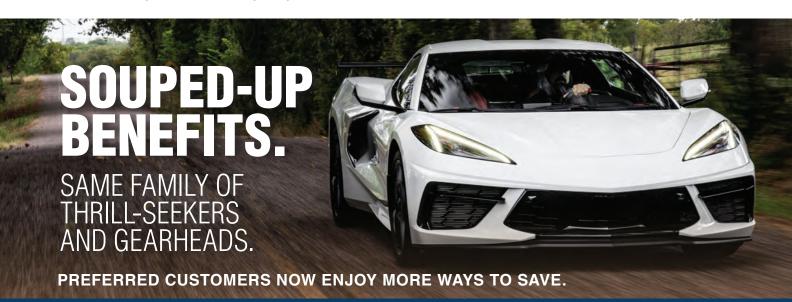




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January 2022





# Reduced Pricing

Save up to 25% on every order.



# Free Shipping

Free shipping on orders of \$100 (\$130 Can.) or more.



# Birthday Gift

Celebrate your day with a \$5 coupon from us.



Get a \$5 coupon with every \$100 you spend.



# Exclusive Promotions

Receive exclusive offers throughout the year.



# Free Membership

Complimentary membership renewal when you spend \$500 or more.