

# HAGIN'S

**AUTOMOTIVE**

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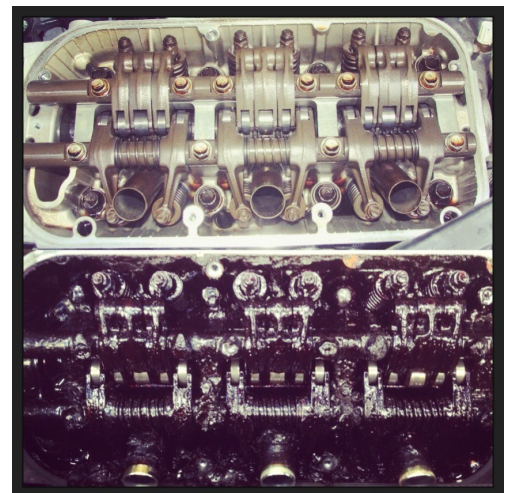
**Car Care News**

**No. 1**

## How often should I change my oil?

How often should the oil be changed in your vehicle's engine, 3000 miles, 5000 miles, 15000 miles? Manufacturers have recommended service intervals that range from 3000 to 15000 miles. Some manufacturers use an oil life system that displays "oil life remaining \*\*%". We believe in following the manufacturer recommendations as a guide line but also use our own experience when recommending service intervals. We are seeing a higher number of vehicle engines run low on oil, out of oil or oil sludge from these extended service intervals. Running an engine low on oil or out of oil may not result in immediate damage but will shorten the life of the engine. How much it will shorten the life is hard to determine because of the variables involved. Depending on where you have your oil changed, they may or may not check the oil level before performing the oil change. At Hagin's automotive we check the oil level before and after performing every oil change. If your oil is low before we start your oil change, we will make a note of it on your repair order and recommend monitoring oil consumption. Also we believe in performing a preventative maintenance inspection every 3 months. The Car Care Council still recommends changing the oil and filter every 3000 miles for maximum engine life. The car care council also recommends performing a Multi-point Inspection every 3 months or 3000 miles. For more information on the Car Care Council vehicle maintenance guide visit their website. <http://www.nxtbook.com/nxtbooks/mercury/carcareguide/>

The engines (3.5L Honda) pictured in the upper right hand corner both have 105,000 miles on them. The one on top had its oil changed every 3000 miles. The one on bottom was changed every 7500 miles. This is just one example but we are seeing more and more of this with extended oil change intervals.



**TOP** - Engine oil changed every 3000 miles.

**Bottom** - Engine oil changed every 7,500 miles.

## What's Inside

Page 2 - Top Tier Gasoline and why you should use it.

Page 3 - Pictures From The Hagin's Automotive Car Show

Page 4 - Toys for Tots drive and more car show pictures.

**Top Tier Detergent Gasoline**

Top Tier Detergent Gasoline is the premier standard for gasoline performance. Seven of the world's top automakers, BMW, General Motors, Honda, Toyota, Volkswagen, Mercedes-Benz and Audi recognize that the current EPA minimum detergent requirements do not go far enough to ensure optimal engine performance. Since the minimum additive performance standards were first established by EPA in 1995, most gasoline marketers have actually reduced the concentration level of detergent additive in their gasoline by up to 50%. As a result, the ability of a vehicle to maintain stringent Tier 2 emission standards have been hampered, leading to engine deposits which can have a big impact on in-use emissions and driver satisfaction. These automakers have raised the bar. TOP TIER Detergent Gasoline help drivers avoid lower quality gasoline which can leave deposits on critical engine parts, which reduces engine performance. That's something both drivers and automakers want to avoid.

**Why Top Tier**

The intention of the TOP TIER Detergent Gasoline standards is to create a winning situation for gasoline retailers, auto manufacturers and drivers. Currently, many gasoline retailers provide fuels with lower-quality additive packages that can build up deposits on fuel injectors and on intake valves. Others can build up deposits in combustion chambers and may lead to intake valve sticking. These lower levels of additives can have negative impacts on engine performance and vehicle responsiveness.

**TOP TIER Detergent Gasoline Retailers**

Gasoline retailers must meet the high TOP TIER standards with all grades of gasoline to be approved by the automakers as providing TOP TIER Detergent Gasoline. In addition, all gasoline outlets carrying the brand of the approved retailer must meet the TOP TIER standards. Additional gasoline retailers are added to the TOP TIER list as they meet the standards. The retailers known to be on the TOP TIER list are shown below.

**USA**  
**76 Stations**  
**Aloha Petroleum**  
**BP**  
**Chevron**  
**Conoco**  
**Country Mark**  
**Entec Stations**  
**Exxon**  
**Hawaii Fueling Network (HFN)**  
**Holiday Stationstores Inc.**  
**Kwik Trip / Kwik Star**  
**MFA Oil Co.**  
**Mileage Stations**  
**Mobil**  
**Ohana Fuels**  
**Phillips 66**  
**Quik Trip**  
**Road Ranger**  
**Scheirl Oil**

**Shell**  
**Texaco**  
**Tri-Par Oil Co.**  
**U.S. Oil**







Thank you to all of you who came to our car show / 15th anniversary celebration. Here are some of the pictures from the wonderful event.

**Pictured Left** - Floyd Family Racing's Outlaw Kart

**Pictured Below** - Dan DeWorken's Indian Motorcycle



**Pictured Above** - Nathan And Amelia in the Hagin's Automotive Soap Box Derby Car.



**Pictured Right** - Random cars at the car show.



**Pictured Left** - Floyd Family Racing's Outlaw Kart and people enjoying some BBQ in the background.



**Pictured Right** - Dick Duncan's Can Am race car.



It's that time of year again. We are collecting toys for the Marine Corps Toys For Tots drive. Bring in an unwrapped toy when you come in for your next service and receive a free pair of wiper blades with your service.



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