

This Report Brought To You By:

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1. Gas Prices

Over the years, the prices of both gas and diesel have experienced some drastic changes. Many years ago, the price of gas was around a dollar or a little more, nothing like it is today. Back then, gas wasn't high in price although the demand for vehicles wasn't what it is today either.

As the demand for vehicles grew, the demand for fuel grew as well. Other actions and events have played into the equation as well, resulting in the rising costs of fuel. Fuel is something we all need to run our vehicles, as we wouldn't be able to go anywhere without it.

As you may know, a majority of the gas we get at local gas stations comes from overseas, primarily the Middle East. Therefore, we have to pay taxes and such on the gas we use, which pays for the gas as well as the shipping. If we got our gas from within the United States, one can't help but wonder whether or not the prices would indeed be lower.

Diesel on the other hand, has always managed to keep a price lower than gas. Diesel comes from within the United States, so the prices are of course going to be lower. The only problem associated with diesel fuel is locating it, as many gas stations don't sell it.

When it comes to the choice between the two, diesel fuel is obviously cheaper to buy. Gas is in supply more, which means that you can find it almost anywhere. If you own a gasoline vehicle, you obviously don't want to put diesel in it. If you own a diesel vehicle, then you of course wouldn't want to put gas in it either.

2. A Few Words About Gas Engines

Gas engines are known as internal combustion engines and are divided into two general classes, specifically two cycle and four cycle engines. A cycle of an engine represents one stroke of the piston or one half revolution of the crank shaft, as a complete revolution represents two cycles. With a two cycle engine, the power impulse occurs at each revolution, while with four cycle engines it occurs at every other revolution, hence the terms two and four cycle engines.

Both classes have their own specific advantages and uses. For automobiles, the four cycle engines is most used. For motor boats on the other hand, the two cycle engine is most often used.

The horse power of gas engines is designated as HP and also brake test HP. The IHP is the theoretical HP, which is found by figuring different formulas, in which the diameter of the bore, length of the stroke in inches, and number of revolutions per minute form the basis for calculation. The results are found by the use of such formulas.

The BTHP on the other hand, is the power the engine actually develops in service, and is considerably less than the IHP. Keep in mind, this depends upon the degree of the mechanical perfection attained in the construction of the same. If both the compression and construction are good, the engine may actually reach 80 - 88% of the intended IHP.

With gasoline engines, high HP and high RPM ranges are what makes them popular. Gas engines have always been more popular than diesel vehicles, for the simple fact that they can achieve more speed. If speed is what you are after, gasoline vehicles are what you should be looking for. Although they may lack in torque and raw power, they make up for it with speed and tuning options.

RECOMMENDED PRODUCTS:

[Convert Your Car To Burn Water And Gasoline = Double Your Mileage!](#)

Soaring gas prices compel people to save gas!!! Popular d.i.y watercar: run your car partially on water, reduce emissions/global warming! Practical free energy based on 1000s of real cars worldwide!!!

[Half Water Half Gas](#)

Burn water in addition to gas and save up to 60%.

3. Simple Ways to Improve Gas Mileage

We already established that gas prices have been growing increasingly higher for the past several years. Everybody wants to save money on gas especially now that the price has been rapidly increasing. One way to save gas is to increase gas mileage.

Here are some tips on improving gas mileage. These tips will not only save on gas but will enable the car to last for a longer time:

1. It is very important to keep the car well maintained. The efficiency of the car will be greater and the performance of the car enhanced if proper maintenance is performed. This in turn helps in improving the gas mileage of the vehicle.
2. The tires of the car should always be inflated properly. Tires that are not inflated properly will make the car's wheels have difficulty rolling and it will then require more energy and would consume more gas. Car owners can save gas by having the tires properly inflated.
3. Cars are heavily load consume more gas. It is recommended that unnecessary weight be removed from the car. The lighter the car's load, the less gas is consumed. Carriers can add weight to the car and should be removed when not in use.
4. Drive smoothly. If the driver uses the brakes a lot and then suddenly speeds up, or if the car is accelerated abruptly will result in greater fuel consumption. Therefore, it is recommended that you drive smoothly to improve gas mileage.
5. Always keep the car clean and washed. It is also recommended that the car be waxed regularly. This helps by improving aerodynamics and can help in improving gas mileage.
6. Another way to improve gas mileage is by saving on ventilation. A car's air conditioner uses more gas when being used. The air conditioner may be turned off and the windows opened when driving slowly - weather permitting. However, it is not recommended to open the windows when driving fast since it adds extra pressure and drag on the vehicle.

There are many ways gas mileage may be improved. Car owners should be responsible if they want to save on gas and money. It does not require big sacrifices to improve your vehicle's gas mileage. All it takes is a little responsibility and proper care of the car. These simple ways can each help improve gas mileage a bit but when done regularly and in combination will help save a great deal of money.

RECOMMENDED PRODUCTS:

[Run Your Car On Water, Make Biodiesel, & Save Money!](#)

Headquarters for water fuel, biodiesel, & ultimate gas savings.

[Water To Hydrogen Booster - Save 50% On Gasoline!](#)

Convert your car to run on water and gasoline to double your mileage! Lowest price!

4. Gas Saving Tips

Are you tired of the continuing rise in gasoline price? If you are, you're not alone. Next, you'll find a few excellent tips designed to help you save a bit of your hard earned money.

1. The carpool system

This is a great idea for employees and students alike. Since all of you will have the same destination, there is no need to bring extra vehicles if you can all fit in one car or van. If you are with your co-workers, it is a good idea to bring your cars alternately or on rotation. If you have children that you bring to school or social events, exchange driving responsibilities with your friends.

2. Commute to work

You can always take the public transportation system when going to the office. This is also a good way to relax since you are not driving. You can even take a short nap while on your way.

3. Look at the prices of different gas stations

Take time to drive around and check the pump prices of the gas stations near your neighborhood. Keep in mind that a few cents difference can add up to a lot if you continually have your car re-filled in the same gas station all the time.

4. Shed some sweat

A good way to save money on gas and keep yourself healthy at the same time is by walking or riding a bike to your destination. It saves time since you do not have to look for parking and also makes you healthier from the exercise. Utilizing these alternatives will also keep you from getting stuck in traffic which will surely waste a lot of your time and gas.

5. Keep your car in very good condition

It is necessary to keep your car's engine in good running condition so that it will not consume a lot of fuel. When driving around on errands, plan out your route before you even get out of the house. This will minimize your trips going back and forth. It is also ideal to use the aircon as minimal as possible since it drastically increases the car's fuel consumption.

6. Check your car's tire pressure

Keep it a habit to check your car's tires so each one has the right amount of pressure. Having unequal pressure can greatly affect the car's fuel economy. It is also advised for you to refrain from accelerating too fast since this means burning a lot more fuel.

7. Gas purchasing hours

It is always best to purchase your gas either first thing in the morning or late at night. The reason for this is because gas is denser at a cold temperature, so you'll basically be getting more for your money.

Other tips to keep in mind are to drive by staying in the posted speed limits, as the faster you drive you will use more fuel. Whenever possible you should use overdrive, as this will help fuel and also improve the wear on your engine. You can also combine your errands by making a list of things that you have to do, as the more you could start your

engine, the more fuel you'll be using.

By taking the time to do these tips, you'll be amazed at just how much fuel you can save. Gas prices are becoming ridiculous these days, which is why you want to do your part to converse little drop that you can.

RECOMMENDED PRODUCTS:

[Simple Water Car - Use Water For Gas](#)

All new water for gas / run your car on water site.

[Run Your Car On Water](#)

Manual on how to build an attachment for gas engines to use water for fuel.

5. Most Fuel Efficient Vehicles

Here is a list of the most fuel efficient vehicles. Purchasing one of those will surely help you in your gas saving endeavors.

Most efficient overall - Honda Insight hybrid. With 60 mpg city and 66 mpg highway,

the Honda hybrid has top honors as most fuel efficient in the United States. With a 1.0 gas engine mated to an electric motor, the insight was designed to make the most of the power by using low resistance tires. The bad things about the Insight include a cramped

interior, seating for two, and a very odd styling.

Fuel efficient mid size car - Toyota Prius hybrid (60 mpg city and 51 mpg highway). The Prius, unlike the Honda Insight, is capable of carrying 5 people plus their gear. The Prius will generate a total of 110 HP from its gasoline engine and electric motor. The sleek shape to the Prius has a low co-efficient drag although Toyota has managed to do this with a larger, yet more driver friendly vehicle than the Insight of Toyota.

Most efficient compact car - Honda Civic hybrid (49 mpg city and 51 mpg highway). With a reputation of being the cheapest hybrid in North America, the Civic hybrid takes the great design of the regular Civic and makes it a lot more efficient. With an output of 110 HP, the Civic hybrid is very competitive for the class.

Most efficient sub compact car - Volkswagen diesel (37 mpg city and 44 mpg highway). The Volkswagen Beetle diesel is ahead of even the sub compact hybrids. Making 100 HP, the Beetle diesel may not sound that powerful, although the 177 lb-foot of torque will put shame on every other vehicle in the same class.

Most efficient station wagon - Pontiac and Toyota (30 mpg city and 36 mpg highway). The Pontiac Vibe and Toyota Matrix are both the result of a joint venture of Toyota and General Motors. Both vehicles come equipped with Toyota engines, although a lot of the design and engineering came from General Motors. Both the Matrix and the Vibe are versatile with active lifestyles. With a fuel efficient 1.8L 4 cylinder that produces 126 HP, the Matrix and the Vibe aren't going to win a street race although they make up for it with smoothness, efficiency, and refinement.

Most efficient large car - Hyundai Sonata (24 mpg city and 34 mpg highway). The Sonata is a major surprise, beating out very stiff competition. The 2.4L 4 cylinder engine is very smooth, responsive, and powerful. The suspension however, is soft, and geared more towards comfort than handling. This isn't a BMW, although the build quality is great, clearly demonstrating that Hyundai is no longer a second rate manufacturer.