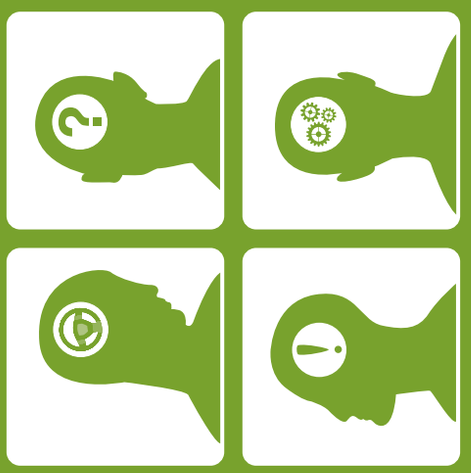
Tips to help you go further on your next tank of fuel



Keep the planet healthy and money in your pocket.

DriveWiseR
drive, maintain and buy for fuel efficiency

drivewiser.ca

Fuel log – how to calculate your car's fuel consumption

Challenge yourself to optimize your efficiency by following our DriveWiser tips and use the chart below to determine your fuel efficiency.

1. First, record the odometer reading and the price paid each time you fill your fuel tank. Next time you fill up, subtract the previous odometer reading from the new one to determine your "distance travelled".
2. Next, record the amount of fuel purchased (equals the amount of fuel consumed since last fill-up).
3. Now, divide the litres purchased by the kilometres travelled. Multiply the number you get by 100 and you will have the number of litres consumed for every 100 km you drive.

For example:
40 L (litres consumed)
÷ 500 km (distance travelled)
= 0.08 (x 100)
= 8 L/100 km

4. Find out your vehicle's specific fuel consumption rating by visiting http://oee.nrcan.gc.ca/transportation/tools/fuelratings/ratings-search.cfm?attr=8

Annual CO_2 Levels

L/100 km	= kg of CO_2
4	1845
6	2800
8	3800
11	5300
14	6700
17	8200

For more information, visit drivewiser.ca or call the toll-free EnerINfo line: **1.800.670.4636.**

IDLING FACT: If every driver in Canada avoided idling for 5 minutes a day, it would be like removing **520,000** cars from the roads for 1 year.

How can you decrease unnecessary idling?

- Reduce "warm-up" idling to 30 seconds maximum.
- Turn your engine off if parked for more than 10 seconds.
- Avoid using a remote car starter.
- Spread the word to family and friends.

Fuel Consumption Log

Date	Odometer reading	Kilometres travelled	Litres of fuel purchased	L/100 km	Estimated annual CO_2 emissions	Fuel cost
For example: 1/7/08	1 17,700 km	–	–	–	–	–
15/7/08	18,300 km	600 km	2 50 L	3 8.3	3840 kg/year	$68.00

The following chart demonstrates the percentage of fuel that can be wasted by common maintenance problems. Good news, you can remedy most of these yourself.

Problem	Waste Percent
2 tires under inflated by 4 psi each	4%
Speeds over 100 km/hr	20%
Idling for 1 hour/week	10%
Every 100 lbs you carry	2%

While you drive

Smooth sailing
Jackrabbit driving (hard accelerations and hard braking) saves only 2.5 minutes an hour, but increases fuel consumption by as much as 35%. Don't speed up just to slow down.

Slow to a stop
Every time your foot is off the gas pedal, you're car is running on a lot less fuel. Take your foot off the accelerator and coast once you see a complete stop ahead.

Warm up and go
The best way to warm up your car is to drive it. Drive gently for the first few minutes and your transmission, steering, and engine will warm up as you drive.

Be idle free
Just 10 seconds of idling uses more fuel than restarting the engine. When you're stopped and not in traffic, turn off your engine.

Slow down
For every 10 km/hr above 90 km/hr you drive, you burn more fuel. Drive 100 km/hr on the highway instead of 120 km/hr and you will burn 20% less gas.

Keeping your vehicle in tune can reduce fuel consumption by up to 15%. Follow the schedule in your owner's manual and these handy tips to begin saving today.

Maintenance tips

Replace worn spark plugs
A dirty spark plug causes misfiring, which wastes a lot of fuel and increases harmful emissions. Replace it as recommended in your owner's manual.

Check the air filter
Fuel use can increase up to 10% when the air filter is clogged. Check it on the same schedule as you change the oil, and more often if you have an older car or travel on dusty roads.

Change your engine oil regularly
Engine oil cleans the engine, takes heat away and reduces friction. It can't do this properly when it is dirty or has lost its viscosity. The happy (and long) life of your engine is directly related to new and clean engine oil.

Pump your tires
Under-inflated tires aggravate hydroplaning, cause excessive tire wear, and increase fuel consumption. Your tires' proper inflation is usually found inside one of your door jambs. Check the pressure in your tires once a month.

Take your temperature
To ensure the maximum fuel efficiency of today's fuel injected vehicles it is important to have your coolant thermostat checked annually. This is the key to regulating your vehicle's emissions, power and fuel efficiency.

Lose the weight
Every extra 100 lbs in your trunk burns 2% more gas in your tank, so if you're not using it, take it out. To reduce drag, remove unused exterior storage accessories like roof racks, bike racks and roof-mounted containers.

By choosing an alternative means for commuting you will reduce the amount you spend on gas and vehicle maintenance. You can feel good knowing your method of travel is helping the environment too.

Drive less

Carpool
Save money, reduce pollution and create a friendlier commute.

Let someone else do the driving
Taking transit frees up time to read the paper, catch up on work, or chat with friends. And it's often cheaper than taking the car.

Get active
Cycling or walking is a healthy alternative, especially for short errands. In 20 minutes the average person can walk 2 km or bike 5 km.

Combine trips
Trips under 5km are the most polluting because the engine never warms up, and neither does the pollution control system. By combining several trips into one, you can cut fuel use and emissions by 20% – 50%.

Telecommute
Working from home is increasingly feasible – doing it just once a week can boost job satisfaction and productivity while cutting your commute emissions by about 20%.

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