

A
BETIRESMART.ca
GUIDE

**GET
FUEL
FIT**

*Shopping, maintenance
and driving tips to help you*

TRIM YOUR GAS BILL

———— *and* ————

ECO-FOOTPRINT

GET FUEL FIT

Be Tire Smart Canada's Get Fuel Fit Guide is your resource for tuning up your auto and tire care knowledge with shopping, maintenance and driving tips that can help you save money and protect the environment. Learn from our Fuel Fit Coaches who share advice for trimming your eco-footprint.

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GEAR

gearing up for fuel savings



ROUTINE

lean driving habits to trim your gas bill



CHECK-UP

maintenance tips to pump up your fuel fitness



GEAR

From your choice of vehicle to your tires, the right gear is the first step to maximizing your fuel fitness.

A

**COACH'S
CORNER**

Barry "Gear Pro" Yutronkie

B

EnerGuide Label for Vehicles

C

Reinventing the Wheel



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COACH'S
CORNER

BARRY

"Gear Pro"

YUTRONKIE

Director of Operations

Tire and Rubber Association of Canada

Q: How can your choice of vehicle and equipment impact your fuel savings?

If you're in the market for a new car, relying on EnerGuide ratings for fuel consumption can help you lock in fuel savings by choosing an efficient model in your preferred vehicle class. After that, low rolling resistance tires can make your commute easier on your wallet and the environment.

Q: How do low rolling resistance (LRR) tires reduce fuel consumption?

There are three key aspects to how LRR tires help you save fuel: the tread design, the rubber compound used and the tire structure itself. LRR tires can improve fuel efficiency by 2-4% annually over the life of the tires depending on the specific model you choose, road conditions and your driving style.

**A****COACH'S
CORNER****Q: What kind of driver benefits most from low rolling resistance tires?**

From air drag to driveline friction and tires, there are many sources of rolling resistance that your vehicle needs to overcome. On highways, tires account for approximately 25 per cent of a vehicle's rolling resistance, compared to city driving where tires account for 15 per cent. As such, highway commuters will see the greatest benefit from LRR tires.

Q: How do consumers determine which LRR tire is right for them?

Your purchasing options will depend on factors such as your driving style, how much you drive and your specific road conditions, so a tire professional will be able to guide you through these considerations. It's also important to realize that there is no uniform low rolling resistance measure in Canada or the U.S. that indicates whether one tire is 'better' than another in the market.

Q: How do you see fuel saving tire technology changing in the coming years?

In the past 5-10 years we've seen a lot of technology improvements in the market. As fuel prices rise, there's more of an emphasis on developing fuel-saving tires. You can expect manufacturers to make advancements in terms of the performance aspect of low rolling resistance tires as well as the range of models available.

For the full interview and more fuel saving tips, visit:

BETIRESMART.CA

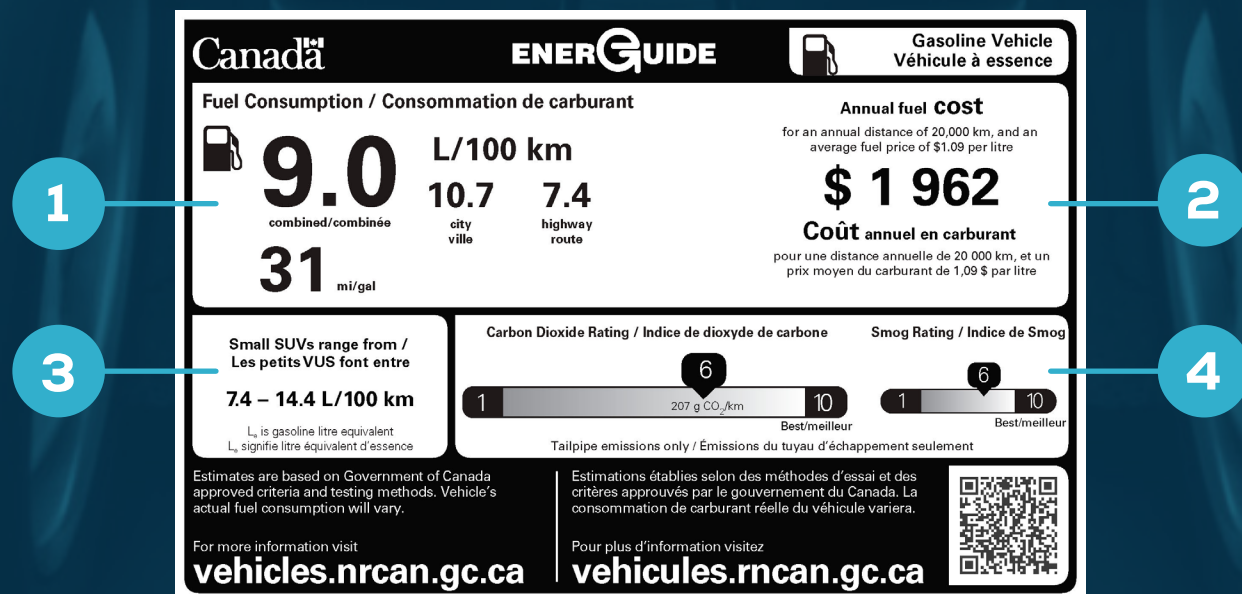


B

ENERGUIDE

LABEL FOR VEHICLES

The EnerGuide Label for Vehicles is the Government of Canada's official mark for rating and labeling the energy efficiency of new light-duty vehicles. The redesigned label - introduced with 2016 models - offers more comprehensive fuel consumption and environmental information.



1

Fuel consumption: rating based on improved testing that better reflects real-world driving, with separate city and highway information

2

Annual fuel cost: estimate based on the combined fuel consumption rating

3

Vehicle class range: best and worst combined fuel consumption ratings of vehicles in the same class

4

CO₂ and smog ratings: emissions of CO₂ and smog-forming pollutants rated on a scale from 1 (worst) to 10 (best)



C

REINVENTING THE WHEEL

When it comes to saving you fuel, tire innovation has come a long way.

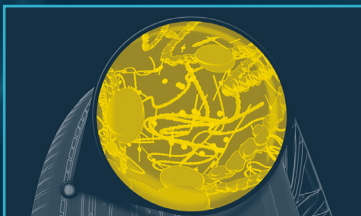


The flexing and movement that take place under the weight of your vehicle create extra rolling resistance as you drive, meaning your engine needs to work harder and consume more fuel.

Tire innovations that help minimize rolling resistance and improve fuel efficiency include:

**1**

Tread pattern designs that keep you rolling along more efficiently

**2**

Special rubber compounds that minimize internal movement inside the rubber itself

**3**

New materials and tire designs that lower weight, increase rigidity and improve aerodynamics

For more fuel saving tire tips, visit:
FUELSAVINGTIRES.CA



ROUTINE

Stretch your fuel savings by modifying your driving habits. Developing healthy driving routines can save you up to \$500 a year.

A | **COACH'S CORNER** | **Steve "Drive Lean" Akehurst**

B | **Anatomy of a Fuel Fit Driver**

C | **Fuel Fit Driving Tips**



A

COACH'S
CORNER

— STEVE —

"Drive Lean"

AKEHURST

Chief, Personal Vehicles Program
Natural Resources Canada

Q: What can drivers do behind the wheel to reduce their fuel consumption?

Motorists will get the biggest gains from three things: maintaining a steady speed, accelerating gently and coasting to decelerate. Together, these routines can potentially save you hundreds of dollars in fuel annually and prevent one thousand kilograms of carbon dioxide from being emitted into the atmosphere.

Q: What are some lesser-known tips that can help trim fuel bills?

Drivers shouldn't be hauling excess weight in or on top of their vehicles. Removing roof racks or ski racks can quickly and easily improve the aerodynamics of your vehicle, which ultimately impacts how much fuel you will need.



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COACH'S
CORNER

Q: How can drivers assess the fuel efficiency of their vehicles?

Natural Resources Canada offers a [Fuel Consumption Ratings Search Tool](#) for conventional vehicles that helps you identify the most fuel-efficient models in your vehicle class of interest. You can also take a free [online ecodriving course](#) to help you learn strategies for using less fuel.

Q: What's different about the new EnerGuide Label for Vehicles?

The redesigned EnerGuide label that is affixed to new light-duty vehicles provides you with more comprehensive information on fuel consumption and environmental impact. The fuel consumption ratings shown on the label are based on 5-cycle testing which integrates three test cycles to account for air conditioner use, cold temperature operation and driving at higher speeds with more rapid acceleration and braking. Environmental indicators are also provided, including the vehicle's tailpipe CO₂ emissions, and CO₂ and smog ratings.

For the full interview and more fuel saving tips, visit:
BETIRESMART.CA

**B**

ANATOMY OF A FUEL FIT DRIVER

Chill Out

Use air conditioning sparingly - roll down a window to keep cool

Eyes Ahead

Keep your eyes on the road ahead and anticipate traffic

Light Foot

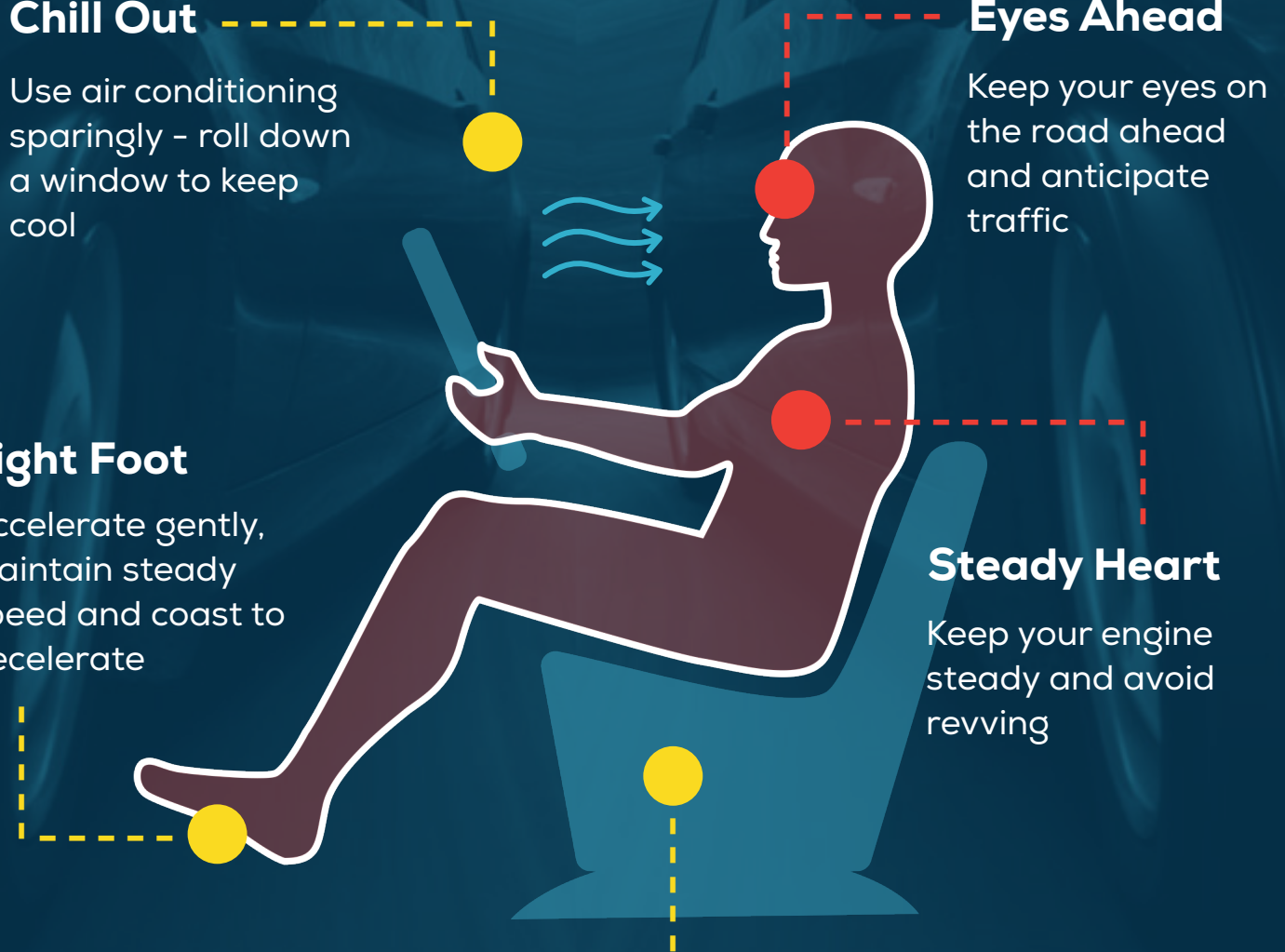
Accelerate gently, maintain steady speed and coast to decelerate

Steady Heart

Keep your engine steady and avoid revving

Bench Time

Don't sit idle for more than 1 min.





C

FUEL FIT

DRIVING TIPS

for maximum fuel efficiency

Driver's Name: _____

Car Make + Model: _____

Last Check-up: / / Next Check-up: / /

Your fuel-saving target is ____ %

☐

Accelerate gently

☐

Maintain a steady speed

☐

Anticipate traffic

☐

Coast to decelerate

☐

Avoid high speeds



CHECK-UP

Along with getting the right gear and establishing healthy driving routines, performing regular check-ups will help you maximize your fuel savings.

A**COACH'S
CORNER****Sean "The Doc" Thompson****B****Get Pumped**



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COACH'S
CORNER

SEAN "The Doc" THOMPSON

Mechanical Program Manager
Kal Tire

Q: What spring tune-up tips can help motorists improve fuel efficiency?

Canadian winters can be hard on tires and increase the wear and tear on your vehicle so regular check-ups are necessary. If you're using winter tires, you can kickstart your spring tune-up by switching to all-season low rolling resistance tires. Ensure your tune-up covers this checklist: alignment, suspension, rims, tires, brakes, filters, fluids and wipers.

Q: What common misconceptions do people have about vehicle check-ups?

Many motorists don't realize they're supposed to check their tires monthly and the majority of people drive on under-inflated tires. Most gas stations have free air and many auto shops will check your air pressure for free – so take advantage of this service.



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Q: What do motorists need to know about modern Tire Pressure Monitoring Systems?

Typically, Tire Pressure Monitoring Systems won't light up unless tire pressure drops below 25 per cent below what it should be. So while such systems will protect you from a safety point of view, they don't always ensure your tires are delivering the best fuel efficiency.

Q: How can changing your air and oil filters get you better mileage?

Air filters block dirt and dust from getting near your engine. Regularly changing your filter will make sure your engine is getting clean oxygen for the process that converts fuel into power - improving your fuel efficiency in the process. Similarly, an old oil filter will allow contaminants to go straight into the engine where they can cause damage and affect your fuel efficiency.

For the full interview and more fuel saving tips, visit:
BETIRESMART.CA



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GET PUMPED

The air in your tires supports 95% of your vehicle's weight, so improperly inflated tires can impact everything from ride quality to fuel efficiency and performance. Following the directions on your vehicle's information placard will help you meet your fuel fit goals.

TIRE INFORMATION RENSEIGNEMENTS SUR LES PNEUS

TIRE PNEU	SIZE DIMENSIONS	COLD TIRE PRESSURE PRESSION DES PNEUS À FROID
FRONT AVANT	P195/70R14	200 kPa, 29 psi
REAR ARRIÈRE	P195/70R14	200 kPa, 29 psi
SPARE DE SECOURS	SEE ABOVE VOIR CI-DESSUS	

**SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
VOIR LE MANUEL DE L'USAGER POUR PLUS DE RENSEIGNEMENTS**

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1 Find the Placard

Find your vehicle's information placard which is usually located on one of your door edges, inside the glove compartment, trunk or fuel door.

2 Trust the Placard

Inflation pressures listed on the placard (vs. tire sidewall) take into account your vehicle type, weight and performance characteristics.

**B**

SUPPLEMENT YOUR KNOWLEDGE

**Be Tire Smart
Fuel Saving Tires Website**
www.fuelsavingtires.ca

**Natural Resources Canada Fuel
Efficiency Playlist**
[https://www.youtube.com/user/
NaturalResourcesCa](https://www.youtube.com/user/NaturalResourcesCa)

**Natural Resources Canada
Fuel Consumption Ratings Search Tool**
[http://oee.nrcan.gc.ca/fcr-rcf/public/
index-e.cfm](http://oee.nrcan.gc.ca/fcr-rcf/public/index-e.cfm)

Ecodriving Online Course
<http://www.ecodrivingonline.ca/home.htm>

Kal Tire Resources Centre
[https://www.kaltire.com/resource-centre/
tires/](https://www.kaltire.com/resource-centre/tires/)



Tire and Rubber
Association
of Canada

L'Association
canadienne du pneu
et du caoutchouc

About the Tire and Rubber Association of Canada

The Tire and Rubber Association of Canada (TRAC) is the national trade association representing tire makers, rubber product manufacturers and importers as well as rubber recyclers and suppliers of goods and services related to the industry. Be Tire Smart Canada is TRAC's vehicle for helping motorists get the best performance, safety, longevity and fuel efficiency from their tires.

For more information, please visit:

