

Auto Propane

A cleaner, reliable, and affordable energy of choice for your fleet

Abundantly available across Canada, auto propane offers advantages over other automotive fuels to help businesses save money and reduce emissions.



Canadian Propane Association
Association canadienne du propane



Why choose auto propane?



Lower cost option

Auto propane has the lowest total cost-of-ownership of any fuel.

- **Costs less per litre** than gasoline or diesel. Auto propane averages about 40% cheaper, and in some markets, it's over 50% less.
- **Lower maintenance costs** – propane burns cleaner and causes less carbon build-up, increasing engine life.
- **Lower electricity costs** – auto propane vehicles can start in temperatures as low as -40°C , removing the need for block heaters required by diesel vehicles in cold weather.
- **Vehicle conversion costs are quickly recouped** – fleet operators typically see a two-year payback due to lower operating costs.



Cleaner & Healthier

Auto propane vehicles cut significantly more greenhouse gas emissions, smog-producing hydrocarbons and particulate emissions (nitrogen oxide emissions) compared to diesel and gasoline. NOx emissions can trigger health problems, such as asthma, bronchitis and other respiratory issues, and environmental problems.

Auto propane is non-toxic, lead-free and has virtually no sulphur content. If accidentally released, propane dissipates into the air.



Reliable Performance

State-of-the-art technology means no compromise in vehicle performance, with the ability to match the horsepower, torque and towing capacity of gasoline-powered equivalents.

- Higher octane than gasoline making it more resistant to knocking and engine damage from spontaneous combustion.
- Delivers similar vehicle power, range, and acceleration as gasoline
- Advanced computer control and direct injection precisely regulate fuel delivery, saving fuel and enhancing performance.
- Propane is easily accessible and transportable across the country.

Quick-connect nozzles offer seamless and efficient refueling. Drivers simply click in the nozzle, refuel, and go.



Proven Safety

Propane has a good safety record as a transportation fuel.

- Lowest flammability range of all alternative motor fuels.
- Engines are 50% quieter than diesel.
- Tanks are 20x more puncture-resistant than gasoline tanks.
- Advanced computer controls deliver fuel only when the engine is running.
- Quick-connect nozzles offer safer refuelling compared to gasoline vehicles, with a closed connection to the tank that significantly reduces the risk of spills during fuelling.

Tel: (613) 683.2270

Email: info@propane.ca

Web: propane.ca



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Propane vs Electric

Auto propane offers advantages over electric vehicles, making it a practical alternative for various applications.



Upfront Costs

The initial cost of Class 3-7 electric vehicles can be up to three times higher than comparable auto propane vehicles.



Operational Costs

Propane costs are more stable than the varying price of electricity.

Propane prices can be secured with a fuel contract, while electricity costs increase as demand for power grows.



Fueling Time

Refuelling an auto propane vehicle is like filling a traditional gasoline-powered vehicle, taking just minutes. In contrast, recharging electric vehicles can take up to five hours, significantly reducing their availability.



Range

Propane vehicles have an advantage in range, with Class 3-7 auto propane vehicles achieving up to 565 km on a single fuelling, compared to about 195 km for electric work trucks.



Easy to Scale-up

Propane fueling infrastructure is highly scalable and can be easily adjusted as fleet size increases, without needing to modify the dispensing equipment. Propane autogas dispensers utilize the same fuel management systems as those used for gasoline and diesel.

Fuel Your Fleet – Auto propane is especially advantageous for high-fuel-consumption, high-mileage fleets from school, transit and para-transit buses and vehicles to light-duty delivery, taxis, police and more.



Did you know?

More than 1.3 million children in North America ride propane buses. School bus operators like those in Calgary, Medicine Hat, Regina, Hamilton, Parry Sound and Halifax chose propane to transport their students.

Southland Transportation has the largest propane school bus fleet in Canada and the third largest in North America with **over 850 propane buses!**

Propane is a trusted energy source by

- School and transit buses
- Taxis and limousines
- Courier vans
- Police cars
- Trucks and vans of all sizes

Propane is a go-to choice for:

- United Parcel Service (UPS)
- Canada Post
- FedEx
- Canpar
- Airways Transit
- London Police, Ontario

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