



THE PROPANE ADVANTAGE:

PROPANE OVERVIEW

Originating mainly from natural gas production, propane is a nontoxic, nonpoisonous gas that does not contaminate soil or water. Propane is the cleaner, cheaper, greener alternative fuel. Propane can be up to five times more efficient than traditional fuels, resulting in less fuel being used.

Propane is clean and efficient

- Propane is an approved alternative fuel listed in both the Clean Air Act of 1990 and the National Energy Policy Act of 1992.
- Propane engines are up to 50 times cleaner than gasoline engines.
- Propane exhaust creates 60 percent to 70 percent less smog-producing hydrocarbons than gasoline, according to studies by the Southwest Research Institute.
- Propane cuts emissions of toxins and carcinogens like benzene and toluene by up to 96%, compared to gasoline, according to studies by the Southwest Research Institute.
- Propane does not contain Class I or II ozone-depleting chemicals (40 CFR Part 82).
- Propane is not listed as a marine pollutant by DOT (49CFR Part 171).

Propane has built-in safety properties

- Propane is not harmful to soil or water.
- Propane gas is nontoxic and produces minimal emissions.
- Because it is released from a pressured container in vapor form, it can't be ingested like other gasoline or alcohol fuels.
- Propane is stored at only 150psi.

QUICK PROPANE FACTS

- Lowers fuel cost by up to 50%
- Zero evaporative emissions
- Zero ozone depleting hydrocarbons
- Low greenhouse-gas emissions
- 110 octane rating
- 99% fewer particulates
- 96% fewer carcinogens
- Above-ground tank storage allows for lower cost infrastructure and less environmental risk.

REGULATORY ISSUES

Stricter Environmental Protection Agency (EPA) regulations have been enacted to reduce pollutants from small engine equipment. Beginning in 2010, the EPA enacted Phase III Emission Requirements for all small engine off-road sources. When fully implemented the standard will reduce annual emissions by 600,000 tons of hydrocarbons, 130,000 tons of nitrogen oxide (NO_x), 5,500 tons of direct particulate matter, and 1.5 million tons of carbon monoxide (CO). LEHR products not only exceed these standards but additionally reduce evaporative emissions to zero.