

TYREE OIL

E10 Fact Sheet

- E10 is 10% ethanol and 90% unleaded gasoline, a fuel blend covered under warranty by EVERY automobile manufacturer that sells vehicles in the U.S. for every make and every model of automobile.
- Ethanol is currently blended into about 46% of America's gasoline, the majority as the E10 blend.
- Because pure ethanol has an octane rating of 113, adding 10% ethanol to gasoline raises the finished fuel's octane rating by 2 or 3 points, improving the fuel's performance.
- E10 is safe to use in small engines such as motorcycles, lawn mowers, trimmers, boats, personal watercraft, snowmobiles, ATVs, and many others. Manufacturers understand that a considerable portion of the gasoline sold in this country contains ethanol and ensure that their products are compatible with oxygenated fuel.
- If Ethanol were to be removed from fuel blends Gas prices would increase on average 12-15%
- Gas Stations in Portland have been using an E10 blend in the winter for over 10 years.
- Starting in 2007, the Indy Racing League – home of the Indianapolis 500 - began using 100% ethanol instead of methanol as its official race fuel.

FACTS AND FREQUENTLY ASKED QUESTIONS

All mainstream manufacturers of power equipment, motorcycles, snowmobiles and outboard motors permit the use of ethanol blends in their products.

Ethanol-blended fuels are approved under the warranties of all auto manufacturers marketing vehicles in the U.S. Some even recommend ethanol use for its clean burning benefits.

Ethanol helps prevent wintertime problems by acting as a gas-line antifreeze.

Can I use ethanol in my snowmobile?

Absolutely. In fact, due to rising concerns about emissions from snowmobiles in some recreation and wilderness areas, the use of ethanol-blended fuel is required to protect air quality. Gasoline containing up to 10% ethanol is approved by all engine warranties. Check your owner's manual. Tests completed on SkiDoo Snowmobiles showed no problems with engine parts, pistons were normal and lubrication good. Some manufacturers recommend changing to

a larger main carburetor jet size when operating on oxygenated fuel.

Can I use ethanol in my motorboat?

Yes. In fact, ethanol is the oxygenate of choice in some water-recreation areas because of its clean air and clean water benefits. In the absence of ethanol, more of these areas would become off-limits to personal watercraft. The results of extensive testing by Mercury Marine operating 30 different watercraft on ethanol-blended gasolines found that there were "no malfunctions or operational driving difficulties attributable to ethanol blends." In addition, multiple phase separation tests were conducted during this period and "no phase separation was noted." Honda, Kawasaki, Mercury Marine, OMC (Johnson/Evinrude), Pleasurecraft, Tigershark (Artco), Tracker and Yamaha allow the use of ethanol fuels in their products. Click [here](#) to view warranty statements.

Can I use ethanol in my lawnmower?

Yes. Tests completed on lawnmowers, chainsaws, weed trimmers and blower vacs with ethanol fuels showed no engine failures, no unscheduled maintenance and good performance. Small engine manufacturers have long permitted [the use of ethanol fuels](#).

REFERENCES

www.ethanol.org

www.ethanolrfa.org

www.drivingethanol.org