



Question: Why am I having so many issues with the pump gas I buy today?

The biggest reason that most ATV users are having issues with today's pump gas is the addition of ethanol. The EPA has issued mandates on gasoline to include various percentages of ethanol in an effort to lower emissions and decrease smog- This is great for autos and trucks manufactured to work with this fuel. But not the best idea for people with small engine like ATV's, motorcycles, farm/lawn equipment etc.

Most of the gasoline now sold has some ethanol in it, but the exact amount varies by region. In general, ethanol will not exceed 10% by volume. Gasoline with 10% ethanol content by volume is known as E10, and with 15% ethanol is known as E15. E85 is 85% ethanol and 15% gasoline.

Pump fuel enriched with Ethanol, causes a number of issues :(including but not limited to the following) the biggest issue that the ethanol blended gasoline causes is corrosion. Ethanol blended gasoline also does not burn as consistently as race gas or pump fuel made a decade or 2 earlier, causing damage to engine parts when it misfires. Results from the use of ethanol, can cause rust and carbon deposits inside the engine, dissolve plastic parts and more

What can be done to help offset the problems caused by Ethanol in fuel?

1. Use race gas. Though not the most economical option, using a high quality race fuel like VP Fuels or Sonoco will alleviate all the fore mentioned issues.

* See RACE FUEL- General Information TECH Document on the DRI website www.duncanracing.com

2. Use a quality fuel stabilizer- The is not a cure but will substantially help

3. Drain ethanol fuel from carburetor daily. Corrosion can set in overnight. Most carburetors have a drain on the float bowl.

* Refer to owner's manual for instructions on draining the fuel.

4. Store your machine dry. Turn fuel off and run machine (at idle) until engine stops. Drain any residual fuel from carburetor, drain tank. Draining the tank and carburetor after using Ethanol can cause some additional issues, O-rings in carburetor, petcock etc. can dry out, crack and fail prematurely.

A viable option to storing it dry is to store with a quality race fuel. The high quality of race enables it to last considerably longer than pump fuel before it goes bad.

5. Mix pump fuel with race fuel 50%-50%. This will help negate side effects from pump fuel.