

CARE OF FUEL FOR PERFORMANCE

It's critical to handle fuel with care, not just for safety but also for performance reasons. The performance aspects of any hydrocarbon based fuel (pump and race gasoline's) is not generally understood by many racers.

Gasoline's a fairly unstable mixture that can quickly 'age' and become 'stale' as the fuel loses volatile hydrocarbon components through evaporation or oxidation. Using improperly stored gasoline can significantly degrade performance and may even cause engine damage.

The aging process is accelerated if stored in poly fuel jugs, the volatile hydrocarbons can pass right through the walls of the jug. Gasoline is best purchased in smaller volume, used promptly, and stored in a sealed metal container, until used.

Gasoline containers should be stored in a cool, dry place and always kept out of sunlight. Leave gasoline in your plastic jug or in the bike tank; a couple of weeks later the only effective use of that fuel is to power your lawn mower. As much as 20% of the effective energy can be lost in that period of time, with race fuels "aging" even quicker. Leave fuel in a bike's tank on a cooling, humid, or wet night; water will condensate and dissolve with the fuel (especially anything containing ethanol-the ethanol will be "pulled out of the fuel")

Pump and Race gas is expensive; with proper and responsible handling it can deliver upon its design performance.

Fuel tips: to reduce the impact on performance

- **"FRESH" FUEL OFFERS THE BEST PERFORMANCE – TUNE WITH IT**
- **DON'T FUEL TANK UNTIL READY TO RUN - MAKE SURE THE GAS TANK IS COOL BEFORE FUELING.**
- **ONLY STORE FUEL IN METAL FUEL CANS THAT ARE RE-SEALABLE-MADE FOR THAT PURPOSE. (THE 5GAL METAL RACE FUEL CANS ARE IDEAL FOR THIS-FLUSH IS STORING DIFFERENT FUEL)**
- **NEVER STORE FUEL IN YOUR BIKE'S TANK. DRAIN GAS BACK INTO A METAL RE- SEALABLE STORAGE CONTAINER.**
- **STORE FUEL IN A COOL AND DARK AREA.**
- **DON'T ALLOW FUEL TO "SLOSH" IN THE TRAILER WHILE TRAVELING TO THE RACE. IT IS BETTER TO BUY FUEL AS YOU NEED IT, IN SMALL INCREMENTS AT THE TRACK. MUST TRAVEL WITH FUEL, HAVE SEALED METAL CONTAINERS FULL.**
- **WHEN YOU OPEN THE FUEL JUG AND HEAR THAT LITTLE "HISS" - THE VAPORS ESCAPING CONTAIN HIGH ENERGY COMPONENTS OF THE FUEL.**
- **CAP THE FUEL TIGHTLY AND OPEN IT AS INFREQUENTLY AS POSSIBLE.**
- **DON'T "MIX" FUELS - SELF BLENDING FUELS IS NEVER ACCURATE, HURTS PERFORMANCE AND IT'S AGAINST ANY SANCTIONING BODY'S "SPEC FUEL" RULE (INCLUDING LRRS)**