

# **LRRS “SPEC” FUEL PROGRAM**

## **LRRS FUEL RULE**

The LRRS rule book specifies the only fuels permissible at LRRS events. Currently three brands of fuel are approved for use:

- VP C12
- VP Blaze100
- Shell 93 Octane pump gas from a pre-determined gas station

ONLY these fuels are permitted with NO mixing or blending allowed between them or any other fuels or additives. (Two stroke machines are excluded from the Spec fuel rule)

## **WHERE CAN FUEL BE PURCHASED?**

VP C12 and VP Blaze 100 must be purchased at the track from the VP vendor. New for 2008, 93 Octane pump gas can be used. Currently and until further notice the Shell station next to NHMS is the selected gas station for 93 pump gas. Why ONLY a single gas station? –no two gas stations’ fuel is identical. To allow the use of “pump gas” requires the restriction of a pre-determined gas station.

## **LRRS FUEL TESTING**

Fuel testing is comprehensive and compares a sample of a competitor’s fuel with a benchmark fuel sample of the same brand. Benchmark sampling occurs each day from the same source where competitors purchase their fuel. Pump gas is sampled and tested each morning starting earlier in the week (supply may change - tanker delivery etc). Any variation is taken into account.

A competitor’s fuel sample is tested for certain electrical characteristics of the molecular structure of the fuel and compared to the appropriate benchmark sample. The fuel test device is calibrated prior to testing each fuel sample. Any discrepancy outside a normal acceptable tolerance is considered a fail of the fuel test. A second set of “reagent” chemical tests may also be carried out (from the same fuel sample) to determine if there are masking agents, illegal power enhancement compounds, known fuel enhancing substances which are all typically extremely caseinogens, and/or toxic/corrosive; such as but not necessary limited to propylene oxide, ethylene oxide, pyridoxine and any basic nitrogen or sulfur-bearing compounds (i.e. pyridine, aniline, pyrrole, dimethylsulfoxide, etc.). Some of the above substances are generally referred to as “rocket fuels”. None of these substances are found in the “spec” fuels outlined above.

## **HOW TO COMPLY WITH THE “SPEC” FUEL RULE**

- Only use LRRS approved fuels from approved sources.
- Completely drain and flush gas tank and storage containers of all non “spec” fuel, and when/if changing between spec fuels.
- Do not blend ANY fuels, and obviously don’t add/use any other substances to fuel.
- It’s also good fuel performance “housekeeping” not to leave fuel in the gas tank, or in inappropriate storage containers between racing events or use old/stale fuel (see-“Care of Fuel For Performance”).

## **WHEN WILL I BE TESTED?**

At anytime while on the premises (before/after official practice, pre race, post race, in tech etc.). You will be required to provide a fuel sample. Typically it will be post race, directed to the Tech garage coming off the track. In tech the owner/rider is asked, “what fuel is in the tank?”, A sample is drawn direct from the tank and the owner/rider then returns to their own pit area. The process takes less than a minute per bike. All testing is done post sampling. Who is tested; may be random, first X places plus random from any race and in all rider classes. The fuel tech or other officials may follow up with further questions.