



ELF AVGAS 2T 96.7

“Leaded competition fuel for 2-stroke engine”



Using pure bases, our formulas guarantee naturally stable, long-lasting properties, consistent from one production batch to another. This search for constant and optimum quality gives you first class performance, in conformity with official regulations.

Use

- **ELF AVGAS 2T 96.7** is a leaded fuel for 2-stroke engines in race circuits.
- Complies with certain regulations, to be checked according to the special regulations of each championship.
- Optimised within the limits of FIM regulations at the end of the 1990s, **ELF AVGAS 2T 96.7** offers high performance for engines with a high compression ratio.
- Following ELF's involvement in 2-stroke MotoGP up to 1990, **ELF AVGAS 2T 96.7** has a particularly high octane index, offering excellent anti-knock protection.
- Particularly suited to the following types of competition:
 - Moto-Cross
 - 2-stroke light Moto (up to 250 cm³)
 - Kart
 - Superkart
 - Speedboat races

Characteristics

		Typical data
OCTANE NUMBER	RON	118 to 120
	MON	102
DENSITY	kg/l at 15°C	0.780
OXYGEN	% m/m	2.4
VAPOUR PRESSURE	Bar at 37.8°C	0.220
DISTILLATION (°C)	% vol. at 70°C	-
	% vol. at 100°C	47
BENZENE	% vol.	<0.1
LEAD	g/litre	0.5

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Properties

Fuel characteristics	→	Technical gains	→	Engine benefits
Lead content significantly improving octane indexes	→	Anti-knock protection Allows engine to function at high compression ratio	→	Reliability and impeccable performance under severe conditions
Strong oxygen content	→	High filling capacity	→	Spontaneous power gains (without special tuning)

Recommendation

- **ELF AVGAS 2T 96.7** provides significant gains in power and reliability, with no fine-tuning.
- To get the full benefit of this product, the engine mapping must be optimised (Air/Fuel ratio, ignition sequence).
- **ELF AVGAS 2T 96.7** is outside sports regulations and incompatible with most public driving regulations.
- **ELF AVGAS 2T 96.7** can be mixed with the lubricant **ELF HTX 909** or with **ELF HTX 976**, for even more efficiency.

Storage

To preserve its original properties and comply with the Health and Safety rules pertaining to fuels, **ELF AVGAS 2T 96.7** must be handled and stored away from sunlight and bad weather and properly resealed in its drum after each use, to avoid loss of the lightest particles.

Glossary

RON & MON: The RON & MON characterize the resistance to knocking (see definition) of a fuel used in a spark-ignition engine. The RON is representative of the functioning of an engine running in cold and low speed condition, while the MON is representative of an engine running in warm and high speed condition.

For competition use, the MON is commonly used to describe a fuel's anti-knocking capacity.



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Higher octane levels give the fuel greater capacity to allow the engine to function under severe conditions that raise speeds (high rotation speed, high compression ratio).

OXYGEN CONTENT: Oxygenated compounds naturally contain high levels of octane and generally improve engine filling capacities thanks to the cooling effect on the admitted air flow (see definition). Others also have remarkable combustion speeds.

OLEFINS AND DI-OLEFINS: These unsaturated hydrocarbon compounds (double carbon-carbon bond) do not exist in natural form; they are found in petroleum fractions from cracking facilities.

Thanks to the reactivity of their double bond(s), these molecules have particularly high combustion speeds.