

TECHNICAL DATA SHEET

« Our formula use pure bases to guarantee naturally stable, long-lasting properties, consistent from one production batch to another. This search for constant and optimum quality ensures you obtain first class performance, in conformity with racing requirements. »

USES

ELF ATMO VINT was developed to provide maximal reliability to **naturally aspirated engines** running on high octane leaded racing fuel. This fuel was born as a successor to leaded racing fuel to keep your legends running with the best quality fuel.

ELF ATMO VINT balanced formula makes it easy to use (cold starting, reduction of vapor-lock and constant injection/carburetor setup). Strong anti-valve recession doping maintains high protection levels comparable to those of leaded fuels.

ELF ATMO VINT can be used in historic circuit, rally and hill climbing, in naturally aspirated engines usually running on leaded fuel.

ELF ATMO VINT is not compliant with official FIA or FIM regulations.

PROPERTIES

		Typical data
Octane number	RON	104.8
	AKI (R+M)/2	98
Specific Gravity at 59°F		0.775
Vapour Pressure at 100°F	Psi	6.96
Distillation	% v/v, at 212°F	42
Air Fuel Ratio at stœchiometry		13.90
Oxygen content	% m/m	1.60
Sulphur content	mg/kg	< 10.0
Lead content	g/L	< 0.005
Benzene content	% v/v	< 1.0
Color	Visual aspect	Limpid colourless

CHARACTERISTICS

CHARACTERISTICS	→	TECHNICAL ADVANTAGES	→	ENGINE BENEFITS
High RON and AKI for unleaded fuel	→	Excellent resistance of knocking for controlled combustion	→	Exceptional reliability under severe conditions (compression and heat / humidity rates) Allows using optimised ignition timing for greater power
Friction modifier & ASVR additives	→	Protection of valve seats Reduction of internal friction	→	Engine reliability + higher power
High olefins content	→	High combustion speed for higher efficiency	→	Control of knocking at very high engine speeds. Good engine response in transient phase.
Very low benzene and sulphur contents. No lead.	→	Harmless	→	No special precautions for use ELF ATMO VINT respects both health and the environment.

RECOMMENDATIONS

To obtain full benefit from this fuel, engine setup must be optimised (Air/Fuel ratio, ignition sequence, compression rates...).

To replace leaded fuels with octane numbers significantly higher than 105 (RON) and 98 (AKI), use on old turbo engines or old racing motorcycles, it is recommended to use **ELF AVSP 11 VS**.

Conservation : to maintain its original properties, in accordance with the Fuel Health and Safety regulations, **ELF ATMO VINT** should be handled and stored in the shade and sheltered from adverse weather conditions and must be perfectly sealed in its drum after each use, in order to avoid losing the lightest fractions.

WARNING

California's Proposition 65 - <https://www.p65warnings.ca.gov/>