



## ELF HTX 735+ 75W-90

100% synthetic lubricant for racing transmission



RACING FUELS & LUBRICANTS

# TECHNICAL DATA SHEET

*“Our ELF HTX formula uses innovative oil bases to guarantee extreme performances, long-lasting properties, ensuring the best engineering for your engine. This research for constant and optimum quality is the pillar of our philosophy, in conformity with racing requirements. “*

## USES

**ELF HTX 735+** is a 100% synthetic lubricant specially developed for competition and high-performance vehicles. Its frictional properties allow for quick and easy shifting for an unmatched driving experience in both short and long-duration events.

This product is suitable for sequential and conventional gearboxes, transfer cases and limited slip axles, either integrated or not, which require a lubricant that meets API GL-4, API GL-5, LS/LSD specifications.

**ELF HTX 735+** is an Ester based multigrade lubricant, specially developed for high performance transmissions coupled with 4 stroke engines.

**ELF HTX 735+** is designed to:

- Minimize power loss in gearboxes.
- Provide maximum protection against extreme shocks, temperatures, loads and speeds encountered in competition.
- Reduce gear shifting time and guarantee a constant driving experience from a cold start to very high temperatures.
- Ensure optimum operation of the self-locking axle (no chatter and extreme torque transfer).
- Provide improved de-aeration to ensure a uniform oil film and constant pressure for the hydraulic controls.

**ELF HTX 735+** is perfectly suited to races of the following types: Endurance, Sprint, Rally, Raid, Drift...

## PROPERTIES

	Units	Typical data	Method
Density at 15°C	g/mL	0.911	ASTM D-1298
Viscosity at 40°C	mm <sup>2</sup> /s	100	ASTM D-445
Viscosity at 100°C	mm <sup>2</sup> /s	17.2	ASTM D-445
Viscosity Index	mPa.s	189	ASTM D-4741
Pour point	°C/°F	-45 / -49	ASTM D-1500
Colour	-	Blue	Visual
Flash Point	°C/°F	198 / 388	ASTM D-92





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## CHARACTERISTICS

CHARACTERISTICS	→	TECHNICAL ADVANTAGES	→	TRANSMISSION BENEFITS
Maximised viscosity index	→	Consistent viscosity and protection over a wide temperature range	→	Easier gear shifting when the gearbox is cold and consistently reliable over a wide range of ambient temperatures
100% synthetic composition	→	Better reliability thanks to the precise control of chemical formulation, extended thermal range	→	Higher and reliable performances in extreme thermal conditions
Selection of specific frictional modifiers	→	Reduction of the friction coefficient in the transmission components  Optimum traction coefficients for limited slip systems	→	Maximization of the mechanical power available  Optimum reliability and operability of the limited slip differential
Reinforced extreme pressure additives	→	Resistance and protection of surfaces against extreme mechanical loads	→	Minimised wear in extreme racing conditions
Adjusted anti-corrosion additives	→	Adhesion of the additive to metal surfaces for protection against metal corrosion	→	Protection of surfaces even during long periods of standstill
Improved de-aeration and foaming properties	→	Maintenance of lubricating properties, avoiding the reduction of viscosity, oxidation, and cavitation problems	→	Increased reliability in the most extreme movement and speed conditions





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### RECOMMENDATIONS

There is no specific precaution to take on first use of **ELF HTX 735+** other than to remove the previous lubricant and properly clean the system.

**ELF HTX 735+** covers applications that require the **ELF HTX 735** product.

Compatible with all yellow metals and seals types commonly used in transmission systems.

The use of an external additives (like engine remetalling) is not recommended. Viscosity grade to be adapted by engine tuner. ELF HTX technology is compatible with all synthetic lubricants PAO and ester type.

The drain oil spacing criteria depend according to your use and required performance. Contact us for more technical information: [afs-information@totalenergies.com](mailto:afs-information@totalenergies.com)

### STORAGE

To preserve its original properties, **ELF HTX 735+** must be handled and stored away from extreme weather conditions. The can must be carefully closed again after each use.