



## ELF HTX 750 75W-140

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 750** 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, dog and conventional gearboxes, transfer cases and limited slip axles, either integrated or not, which require a lubricant conforming to the API GL-5 LS/LSD specification

**ELF HTX 750** meet the requirement NISMO competition 2189E.

**ELF HTX 750** is an Ester based multigrade lubricant, specially developed for high performance transmissions coupled with 4 stroke engines.

**ELF HTX 750** is designed to:

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

**ELF HTX 750** ensures consistency of use thanks to its unshearable formulation and cold viscosity allowing optimum and easy gear shifting whatever the temperature.

**ELF HTX 750** 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               | 0.900        | ASTM D-1298 |
| Viscosity at 40°C  | mm <sup>2</sup> /s | 150          | ASTM D-445  |
| Viscosity at 100°C | mm <sup>2</sup> /s | 24.3         | ASTM D-445  |
| Viscosity Index    | mPa.s              | 194          | 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                             | → | TECHNICAL ADVANTAGES   | → | TRANSMISSION BENEFITS  |
|---|---|--|---|--|
| aximised 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      |
| High viscosity Multigrade oil               | → | Limitation of mechanical frictions, limitation of wear on moving surfaces  | → | Long-term reliability and superior protection at high loads  |
| 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<br>Optimum traction coefficients for limited slip systems | → | Maximization of the mechanical power available<br>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 750** other than to remove the previous lubricant and properly clean the system.

**ELF HTX 750** covers applications that require the **ELF HTX 755** 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 750** must be handled and stored away from extreme weather conditions. The can must be carefully closed again after each use.