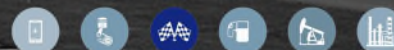




ELF HTX 850 5W-50

100% synthetic lubricant for competition engines



RACING FUELS & LUBRICANTS

TECHNICAL DATA SHEET

"Our ELF HTX formula uses innovative bases to guarantee extreme performance, long-lasting properties, ensuring the best engineering for your mechanics. This research for constant and optimal quality ensures you get top performance, in line with the demands of the competition."

USES

ELF HTX 850 is a multigrade lubricant specially developed for 4-stroke petrol engines working at a wide range of temperatures.

ELF HTX 850 offers the high protection properties of a 5W-50 grade and performance gains due to its improved formulation under prolonged heavy loading.

ELF HTX 850 is used for the following applications:

- 4-stroke naturally-aspirated or turbocharged petrol engines

ELF HTX 850 is perfectly suited for competitions of medium and long duration:

- Circuit
- Rally
- ...

PROPERTIES

	Units	Typical data	Method
Density at 15°C	g/ml	0.8542	NF EN ISO 12185
Viscosity at 40°C	mm ² /s	105.8	ASTM D-445
Viscosity at 100°C	mm ² /s	17.9	ASTM D-445
Viscosity HTHS	mPa.s	4.48	CEC L-036
Flash point	°C	238	NF EN ISO 2592

ELF HTX 850 Vs HTX 8xx SERIES

ELF HTX 850 is miscible in any proportion with the whole 4-stroke engines lubricants ranges **ELF HTX 8xx** and **ELF HTX 38xx**.

If the user is already satisfied with **ELF HTX 850 (5W-50)** in terms of mechanical wear, we suggest trying **ELF HTX 840 (0W-40)** for even better performance.

If the user is planning to introduce harsher conditions of use, we recommend **ELF HTX 860 (10W-60)** for even greater reliability.



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CHARACTERISTICS

CHARACTERISTICS	→	TECHNICAL ADVANTAGES	→	ENGINE BENEFITS
Increased viscosity (5W-50)	→	Ensures the correct lubrication regime and oil thickness between components for superior protection	→	Increased engine reliability over the entire thermal operating range of the oil
Optimized R&D formulation	→	The ELF HTX range contains performance additives with a greater selection and carefully studied dosages compared to lubricants traditionally distributed on the market	→	Superior lubrication, cleaning, cooling of engine components and compatibility with elastomers to ensure reliability during racing events
Selection of superior frictional modifiers	→	Increase engine efficiency by reducing mechanical losses (rings, pistons, jacket area, cams, and oil pump)	→	Maximization of the mechanical power available from the engine for the best performances
Detergency additives	→	Removal of carbon deposits and maintenance of the structural-functional properties of the engine components over time	→	A cleaner engine, reduced surface wear, maximization of engine's performance and reliability
Anti-wear additives	→	Adsorption on metal areas subject to very high pressure like tappets, cams and bearings	→	Greater engine protection with impeccable reliability
Dispersant additive	→	Avoids agglomeration of particles, reduction of wear of the lubrication circuit	→	Reduced clogging of filters and avoids sludge formation in cold parts of the engine
100% synthetic composition	→	Better reliability thanks to the precise control of chemical formulation, extended thermal range	→	Higher and reliable performances in extreme thermal conditions





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RECOMMENDATIONS

ELF HTX 850 is compatibility with the materials of the lubrication circuit:

- No known incompatibility to date
- Compatible silicon, fluorine, acrylic and nitrile type joints

There is no specific precaution to take on first use of **ELF HTX 850** other than removing the previous lubricant and replacing the oil filter.

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

STORAGE

To preserve its original properties, **ELF HTX 850** must be handled and stored away from extreme weather conditions. The can must be carefully closed again after each use.

GLOSSARY

For any further information relative to the technical aspects written in our Data Sheets, a glossary is online on our website additives-fuels.totalenergies.com, racing fuels and lubricants section.