



ELF HTX 805

5W-50

100% synthetic lubricant for competition engines



Uses

- **ELF HTX 805** is a multigrade lubricant specially developed for 4-stroke petrol engines working at a wide range of temperatures.
- **ELF HTX 805** offers the high protection properties of a 5W-50 grade and performance gains due to its improved formulation.
- **ELF HTX 805** is used for the following applications:
 - 4-stroke naturally-aspirated or turbocharged petrol engines
- **ELF HTX 805** is perfectly suited for competitions of medium duration:
 - Circuit
 - Rally

Characteristics

	Typical values	Units	Methods
Density at 15°C	0.854	g/ml	ASTM D-1298
Viscosity at 40°C	117	mm ² /s	ASTM D-445
Viscosity at 100°C	19.3	mm ² /s	ASTM D-445
Viscosity HTHS	4.6	mPa.s	ASTM D-4741
Flash point	222	°C	ASTM D-92

ELF HTX 8xx

ELF HTX 805 is miscible in any proportion with **ELF HTX 825** (10W-60), **ELF HTX 835** (15W-40), **ELF HTX 3818** (5W-30), **ELF HTX 3821** (0W-30) and **ELF HTX 3825** (0W-20).

If the user is already satisfied with **ELF HTX 805** in terms of mechanical wear, we suggest trying **ELF HTX 835** for even better performance.

If the user is planning to introduce harsher conditions of use, we recommend **ELF HTX 825** for even greater reliability.

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Properties

CHARACTERISTICS	→	TECHNICAL GAINS	→	ENGINE BENEFITS
High viscosity (5W-50), suited to a wide range of functioning temperatures	→	Excellent lubrication of engine parts when hot or cold	→	Excellent protection of mechanical moving parts
Presence of synthetic reversible shear copolymer	→	Temporary drop in viscosity at high shear	→	Spontaneous power gain at high speeds
Organic-metallic anti-wear additive	→	Adsorption on metal areas subject to very high pressure like tappets, cams and bearings	→	Greater engine protection with impeccable reliability
Dispersion surfactant	→	Carbonaceous matter kept in suspension	→	Reduces clogging and formation of deposits on long runs
Mineral base content strictly zero	→	Increase in thermal resistance	→	Reliability gain

Recommendations

- Compatibility with the materials of the lubrication circuit:
 - No known incompatibility to date
 - Compatible in particular with silicon, fluorine, acrylic and nitrile type joints
- There is no specific precaution to take on first use of **ELF HTX 805** other than removing the previous lubricant and replacing the oil filter.
- The use of an external additive (like engine remetalling) is not recommended.

Storage

To preserve its original properties, **ELF HTX 805** must be handled and stored away from extreme weather conditions. The can must be carefully closed again after each use.



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Glossary

100% SYNTHETIC:

Unlike certain lubricants on the market bearing the synthetic label, **ELF HTX 805** really contains no mineral base.

SHEAR:

Distortion of lubricant when subjected to high speeds and loads.

VISCOSITY HTHS (High Temperature/High Shear):

Viscosity measured at High Temperature (150°C) and High Shear (10^6 s^{-1}).