ELF HTX 825
10W-60

100% synthetic lubricant for competition engines

Uses

- **ELF HTX 825** is a multigrade lubricant specially developed for high-torque 4-stroke engines running at very high temperatures.
- **ELF HTX 825** offers optimum engine protection with exceptional reliability in runs and maintains engine performance under prolonged heavy load.
- **ELF HTX 825** is used for the following applications:
  - 4-stroke naturally-aspirated or turbocharged petrol engines with high torque
  - Fractionated turbo diesel engines for endurance runs
- **ELF HTX 825** is perfectly suited for competitions of medium or long duration:
  - Rally
  - Endurance
  - Raid

Characteristics

	Typical values	Units	Methods
Density at 15°C	0.857	g/ml	ASTM D-1298
Viscosity at 40°C	160	mm²/s	ASTM D-445
Viscosity at 100°C	24.5	mm²/s	ASTM D-445
Viscosity HTHS	5.5	mPa.s	ASTM D-4741
Flash point	242	°C	ASTM D-92

ELF HTX 8xx

ELF HTX 825 is miscible in any proportion with **ELF HTX 805** (5W-50), **ELF HTX 835** (15W-40), **ELF HTX 3818** (5W-30), **ELF HTX 3821** (0W-30) and **ELF HTX 3825** (0W-20).

In the **ELF HTX 8xx** range, **ELF HTX 825** is the lubricant that offers the best reliability.

100% synthetic lubricant for competition engines

Properties

CHARACTERISTICS	→	TECHNICAL GAINS	→	ENGINE BENEFITS
Particularly high **viscosity** (10W-60), specially for engines running at very high temperatures	→	Excellent **resistance of oil coat** under very heavy, prolonged load and at very high temperatures	→	**Maximum protection of mechanical moving parts**
Optimised **formulation** matrix	→	Low **volatility** NOACK	→	**Reduces loss by evaporation** **Maintains grade throughout run**
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 of filters in endurance**
Mineral base content strictly zero		Increase in **thermal resistance**		**Reliability gain**
Organic-metallic **detergency** additive	→	**Cleans** and **keeps clean** all shells, pistons, segments	→	**Maintains initial engine power perfectly**

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 825** 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 825** must be handled and stored away from extreme weather conditions. The can must be carefully closed again after each use.

Glossary

100% SYNTHETIC:
Unlike certain lubricants on the market bearing the synthetic label, **ELF HTX 825** really contains no mineral base.

NOACK VOLATILITY:
Evaluation of a lubricant's tendency to evaporate under the effect of high temperatures.

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