



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:
 - o 4-stroke naturally-aspirated or turbocharged petrol engines with high torque
 - o Fractionated turbo diesel engines for endurance runs
- **ELF HTX 825** is perfectly suited for competitions of medium or long duration:
 - o Rally
 - o Endurance
 - o Raid

Characteristics

	Typical values	Units	Methods
Density at 15°C	0.857	g/ml	ASTM D-1298
Viscosity at 40°C	160	mm ² /s	ASTM D-445
Viscosity at 100°C	24.5	mm ² /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.

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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.



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- 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}).