



ELF HTX 3820 0W-20

“Very high performance 100% synthetic engine lubricant”



“ELF HTX 38xx product range is considered by the racing motorists to be one of the very best racing lubricants in the world.”

Uses

- **ELF HTX 3820** is a multigrade lubricant designed for 4-stroke atmospheric petrol engines, up to 19,000 rpm.
- **ELF HTX 3820** is specially designed to obtain maximum engine power over short and/or very short runs : short races and qualifying sessions.
- **ELF HTX 3820** is compatible with wet clutch or dry clutch.
- Directly based on ELF experience in motorsport, **ELF HTX 3820** is particularly recommended for MotoGP, Superbike and Supersport engines.

Characteristics

	Typical values	Units	Methods
Density at 15°C	0.8498	Kg/l	NF EN ISO 12185
Viscosity at 40°C	46.51	mm ² /s	ASTM D-445
Viscosity at 100°C	8.34	mm ² /s	ASTM D-445
Viscosity HTHS	2.63	mPa.s	CEC L-036
Flash point	246	°C	NF EN ISO 2592



“Very high performance 100% synthetic engine lubricant”

Properties

Characteristics	→	Technical gains	→	Engine benefits
Particularly low viscosity (0W-20)	→	Very great reduction in frictional loss	→	Maximum power over entire speed range
Reversible high shear viscosity (HTHS)	→	Less energy wasted through viscous friction	→	Spontaneous power gain at high and very high speeds
Optimized formulation matrix	→	High de-airing capacity	→	Perfect lubrication of mechanical parts Greater compatibility with dry sump type technologies
Addition of specific frictional modifiers	→	Excellent lubrication at high and very high speeds	→	Maintains engine lubrication conditions to give maximum performance at high and very high speeds
detergency additive	→	Cleans and keeps clean all shells, pistons, segments	→	Maintains initial engine power perfectly
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
Full synthetic , mineral base content strictly zero	→	Increase in thermal resistance	→	Reliability gain



“Very high performance 100% synthetic engine lubricant”

ELF HTX 38xx

ELF HTX 3820 is miscible in any proportion with the whole 4-stroke engines lubricants ranges **ELF HTX 38xx** and **ELF HTX 8xx**.

ELF HTX 3820, **ELF HTX 3830** and **ELF HTX 3835** are primarily performance focused lubricants.

For long distance races, we recommend the **ELF HTX 8xx** range.

Recommendations

- **ELF HTX 3820** works perfectly up to 19,000 rpm.
- Due to its ultra fluid grade, **ELF HTX 3820** is designed for short runs such as qualifying sessions or short races. Due to the optimization of **ELF HTX 3820** for a better performance on short efforts, it is recommended to change the oil after each race.
- 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 3820** other than removing the previous lubricant and replacing the oil filter.
- The use of an external additive (like engine remetalling) is strongly discouraged.

Storage

To preserve its original properties, **ELF HTX 3820** 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 on line on our website www.acs.total.com, racing fuels and lubricants section.

