



# ELF HTX 3830 0W-30

*100% synthetic lubricant for competition engines*



**"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 3830** is a multigrade lubricant designed for 4-stroke petrol engines.
- **ELF HTX 3830** is specially designed to obtain maximum engine power over short and/or very short runs.
- **ELF HTX 3830** is especially recommended for short, intense races where maximum performance is sought such as sprint circuit and qualifying races.
- Directly based on ELF experience in motorsport, **ELF HTX 3830** is particularly recommended for MotoGP, Superbike and Supersport engines.
- **ELF HTX 3830** is used for the following applications:
  - 4-stroke naturally-aspirated and turbocharged petrol engines, up to 19,000 rpm
- **ELF HTX 3830** is perfectly suited to competitions of short and very short duration:
  - Sprint circuit
  - Qualifying races
  - Hill climb races

## Characteristics

	Typical values	Units	Methods
Density at 15°C	0.8476	g/ml	NF EN ISO 12185
Viscosity at 40°C	53.52	mm <sup>2</sup> /s	ASTM D-445
Viscosity at 100°C	10.13	mm <sup>2</sup> /s	ASTM D-445
Viscosity HTHS	2.98	mPa.s	CEC L-036
Flash point	230	°C	NF EN ISO 2592



*100% synthetic lubricant for competition engines*

**Properties**

<b>Characteristics</b>	→	<b>Technical gains</b>	→	<b>Engine benefits</b>
Very low <b>viscosity</b> (0W-30)	→	Serious reduction in <b>frictional loss</b>	→	<b>Maximum power over entire speed range</b>
Reversible high shear <b>viscosity (HTHS)</b>	→	Less energy wasted through viscous <b>friction</b>	→	<b>Spontaneous power gain at high and very high speeds</b>
Optimized <b>formulation</b> matrix	→	High <b>de-airing</b> capacity	→	<b>Perfect lubrication of mechanical parts</b> <b>Greater compatibility with dry sump type technologies</b>
Addition of specific <b>frictional modifiers</b>	→	Excellent <b>lubrication</b> at high and very high speeds	→	<b>Maintains engine lubrication conditions to give maximum performance at high and very high speeds</b>
<b>detergency</b> additive	→	<b>Cleans</b> and keeps clean all shells, pistons, segments	→	<b>Maintains initial engine power perfectly</b>
<b>anti-wear</b> additive	→	<b>Adsorption</b> on metal areas subject to very high pressure like tappets, cams and bearings	→	<b>Greater engine protection with impeccable reliability</b>
<b>Dispersion</b> surfactant	→	Carbonaceous matter <b>kept in suspension</b>	→	<b>Reduces clogging of filters</b>
<b>Full synthetic</b> , mineral base content strictly zero	→	Increase in <b>thermal resistance</b>	→	<b>Reliability gain</b>



*100% synthetic lubricant for competition engines*

## ELF HTX 38xx

**ELF HTX 3830** 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, for greater protection, we recommend the **ELF HTX 8xx** range.

In the ELF HTX 38xx range, **ELF HTX 3830** offers another level of performance in relation to **ELF HTX 3835** without lowering the level of protection of mechanical parts.

## Recommendations

- **ELF HTX 3830** works perfectly up to 19,000 rpm.
- **ELF HTX 3830** is particularly suited to sprint races held over a weekend where the driving time does not exceed **four hours**.
- Due to its ultra fluid grade, it is recommended to carefully monitor mileage between each **ELF HTX 3830** oil change.
- 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 3830** 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 3830** 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](http://www.acs.total.com), racing fuels and lubricants section.

